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62.23

1923

Taughan's Autumn Bulbs





Vaughan's GIANT Flowering TULIPS

Planting Suggestions

THE eight varieties illustrated in color on this page are typical of the wonderful May-flowering tulips. On the left from top to bottom, they are, in order:

Faust (Darwin)
Carnation (Cottage)
Ariadne (Darwin)
The Fawn (Cottage)

On right, top to bottom:
Louis XIV. (Breeder)
Violet Queen (Breeder)
General Ney (Breeder)
John Ruskin (Cottage)

We will mail, postpaid, one each of these 8 varieties for \$1.00;
3 each (24 bulbs) for \$2.25;
6 each (48 bulbs) for \$4.00;
12 each (96 bulbs) for \$7.50,
all postpaid. A rare bargain.

Breeder Tulips

IN response to the popularity of the richly-colored Breeder Tulips, we make these special postpaid offers:

Twelve bulbs, 1 each of 12 Breeder varieties of our selection, \$1.25.

Thirty-six bulbs, 3 each of 12 Breeder varieties of our selection, \$3.00.

Seventy-two bulbs, 6 each of 12 Breeder varieties of our selection, \$5.00.

One hundred and forty-four bulbs, 12 each of 12 Breeder varieties of our selection, \$8.50.

All of the above offers postpaid.

Vaughan's Seed Store
CHICAGO - NEW YORK





FOR the first time since 1919 we are able to offer our customers bulbs of seven early spring flowers which in that year were barred from our country by the Federal Horticultural Board in its disastrous blow to American horticulture known as Quarantine 37.

An amendment to this quarantine permits the importation, for the period from Jan. 1, 1923, to Jan. 1, 1926, only, of *Chionodoxa* (glory-of-the-snow); *Galanthus* (snowdrop); *Scilla* (squill); *Fritillaria imperialis* (crown imperial); *Fritillaria meleagris* (guinea-hen flower); *Muscari* (grape hyacinth), and *Eranthis* (winter acornite).

All these have been barred since June 1, 1919. But this boon is not granted freely. The entomologists who are dictators to American gardens, have fixed a price to be paid for this favor. The same amendment which gave permission to import these seven varieties, gave notice that after Jan. 1, 1926, Americans could no longer import bulbs of the great family of *Narcissi*.

Attention this fall is therefore naturally centered upon the bulbs which are now obtainable at reasonable prices but which, after three years, may be had at greatly increased expense, but probably will not be obtainable at all.

The *Narcissi* may fairly be considered the most important of the spring flowering bulbs, when their value in the garden border and their peculiar merit for indoor and greenhouse forcing are considered. No bulb can take the place of the Paper White *Narcissus* in the ease and certainty with which it can be forced into flower, when placed in a bowl of gravel and water, or fibre and water. Millions of Americans who dwell in apartments have no other garden than this.

Coming two to three weeks before the earliest tulips, the daffodils begin the outdoor garden season. They furnish the first fine display of color in the border. Without them, we in the north will be denied three of our all-too-few weeks of garden glory.

The greatly improved varieties of hardy *narcissi* produced by breeders abroad in recent years have been welcomed by

American gardeners and the popularity of this family has been growing rapidly. All that remains for its admirers in this country to do, however, is to accumulate in

the three years' time allowed, the best stock they can. Many varieties will last for years. The varieties we list have been chosen with care to include those which do best under American conditions.

The possibility of an American source of supply of either forcing or garden varieties of *narcissus* being developed is so entirely speculative that it may be considered to be non-existent, and unless the edict of the

Federal Horticultural Board is overturned by higher authority, after Jan. 1, 1926, we will be unable to replace *narcissi*.

As for the seven bulbs named in the second paragraph above which are admitted by special amendment for a period of three

years, the experience of the last four years under embargo has proved that when they are barred from import, they are off the American market. All are decidedly worth while in the garden, and the opportunity to obtain a supply should not be overlooked. *Scillas* and *snowdrops* may be planted near a south window, from which their beauty may be enjoyed, though cold March winds make it uncomfortable outdoors.

These, with the grape hyacinths, and glory of the snow, are best grown in masses, grouped in the border, tucked between hardy plants. Shallow rooted annuals may be grown in the same place, and the bulbs are all very hardy in such a location, and likely to be permanent.

Crown imperials (*Fritillaria Imperialis*) send up a stout tuft of leaves on a strong stem, two feet high, and beneath this leafy crown is a circle of bell flowers, ranging from brick red to orange in color. Guinea hen flowers (*Fritillaria meleagris*) are slender plants never more than a foot high, which hang out a large, drooping bell flower remarkable for its checkered coloring in purple and white. A pure white variety is even more showy. They establish themselves in shady corners and are always interesting.

Interest in the bulbs so soon to be de-

Daffodils Naturalized in a Woodland

What's New About Bulbs

1923

Front Cover Narcissus Collection

| | |
|---|--------|
| One each of the Varieties Illustrated (6 bulbs), postpaid | \$1.00 |
| Three each (18 bulbs), postpaid | 2.00 |
| Eight " (48 bulbs), " | 5.00 |
| Twelve " (72 bulbs), " | 7.00 |

nied us will not lessen the importance of tulips, hyacinths, lilies and crocus, which still are on the meager list of bulbs allowed free entry to our country, though the Federal Horticultural Board makes no secret of its intention soon to shut them out.

May flowering tulips continue to dominate the spring flowering bulb season, and each year wonderful displays of Darwin, Cottage and Breeder tulips, which are to be seen in increasing numbers, make new converts to the ranks of tulip growers. Were these flowers to blossom at the height of the season, when dozens of other beauties would vie with them for favor, they would still be unrivaled in color range and delicacy. The fact that they come in early May, when there is naught to challenge their supremacy, makes them indispensable. The garden that lacks them is dull, indeed.

Because of the lack of other flowers in their season, tulips should be planted liberally. How many there are who, instead of dozens, could afford hundreds, or instead of hundreds, could enjoy thousands? A small planting is tantalizing; one desires their beauty for indoor vases, or to give joy to friends, but dare not cut them lest the garden display be ruined. With liberal plantings, all that are desired may

How to Plant Bulbs

PLANT all fall bulbs except tulips as soon as they can be secured. Plant tulips when the leaves fall.

Drainage is essential. Dig the soil deeply—eighteen inches if possible, pulverize fine, and if heavy, place a cushion of sand under the larger bulbs, especially lilies.

Use no barnyard manure unless it can be spaded into the ground the spring previous to planting. Bone meal is the only safe fertilizer and should be used freely.

If planting with a dibber, take care that the bulb rests on the soil and is not "hung"—that is, left with a hole beneath it caused by the point of the dibber.

Lilies, especially the Japanese varieties, usually arrive too late to be planted before November. Cover the place selected for them with a heavy mulch so the ground will not freeze and plant the lilies at once when received. If the ground is frozen wait until spring and plant as early as the ground can be worked.

Plant bulbs as a rule one and a half times the depth of the bulb, early tulips 4 to 5 inches deep, the larger late tulips 5 to 6 inches deep, narcissus and hyacinths 5 to 6 inches deep, lilies 6 inches deep, crocuses and small bulbs 2 inches deep.

Mulch late planted bulbs after the ground freezes to keep it frozen and prevent thawing and heaving.

be cut, and a mass of color still be maintained in the border.

The cost of tulips is not an annual expense. They require less care than any flowers. It is not even necessary to lift them. They will remain for years in the same bed, thriving if it is treated with lime and bone meal in alternate years. The cost is thus spread over a long period, and it would be difficult indeed to obtain equal results with the same money.

For summer blooming, the lilies are the reliance. The stately gold banded lily of Japan, *Lilium Auratum*, reigns supreme among garden flowers with its enormous white blooms spotted with chocolate, each petal marked by a golden band down its center. The lilies begin blooming in May and extend until fall, according to species, the auratum and speciosum classes being the last to bloom, coming in August and even in early September.

The old fashioned tiger lily furnishes a gorgeous midsummer mass. The native superbium, which likes a heavy, moist soil, has airy stems rising from four to seven feet tall bearing gracefully recurved orange spotted lilies in great profusion.

The white trumpets of the longiflorums may be used with good effect in the garden in summer if it is given a winter mulch.

Tulip Collections for Border Plantings

See Page 9 for Circular Beds

MODERN landscaping favors borders rather than beds. The space along the front and sides of the yard, and beside the foundation, is considered the proper place for planting, in order not to cut up the expanse of lawn.

If one has shrubby plantations, tulips show up wonderfully planted in front of the shrubs. Shallow rooted plants may be grown in the same beds without removing the tulips except every third year.

We can offer at most attractive prices, bulbs for the border plantings illustrated on this page. The colors harmonize and plenty of bulbs are provided to fill the spaces indicated.

Although we cannot undertake to supply particular varieties at these prices, the tulips delivered will be named varieties, bagged separately and tagged with their names.

Collection No. 1.

May-Flowering Tulips

Darwin or Cottage

To fill a corner space 5 feet on each leg.

49 Lavender } .78 Bulbs for \$4.00, postpaid.
29 Pink.... }

Collection No. 2

Early-Flowering Tulips

To fill an oblong bed 1½ by 6 feet.

A—Single Early-Flowering.

28 White..... } 56 Bulbs for \$2.00, post-
28 Pink or Red } paid.

B—Double Early-Flowering.

28 White..... } 56 Bulbs for \$2.50, post-
28 Pink or Red } paid.

Collection No. 3

May-Flowering Tulips

Darwin or Cottage

To fill an oblong bed 2 by 9 feet.

25 rose..... } .95 Tulips for \$4.50,
45 pink..... } postpaid.
25 Maroon or Purple }

Collection No. 4

May-Flowering Tulips

Darwin or Cottage

To fill bed 4 by 12 feet.

45 Rose..... }
45 Lavender..... } 225 Tulips for \$10.50,
45 Pink..... } by express.
45 Maroon or Purple }
45 Yellow..... }

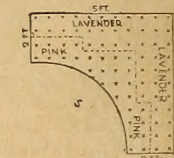
Collection No. 5

May-Flowering Tulips

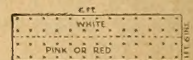
Darwin, Cottage and Breeder

To fill bed 5 by 15 feet.

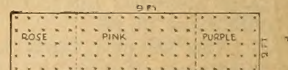
65 Scarlet..... }
68 Purple-maroon..... } 302 Tulips for
36 Orange-bronze..... } \$14.00, by express.
68 Lavender..... }
65 Rose or Pink..... }



Plan for Collection No. 1



Plan for Collection No. 2



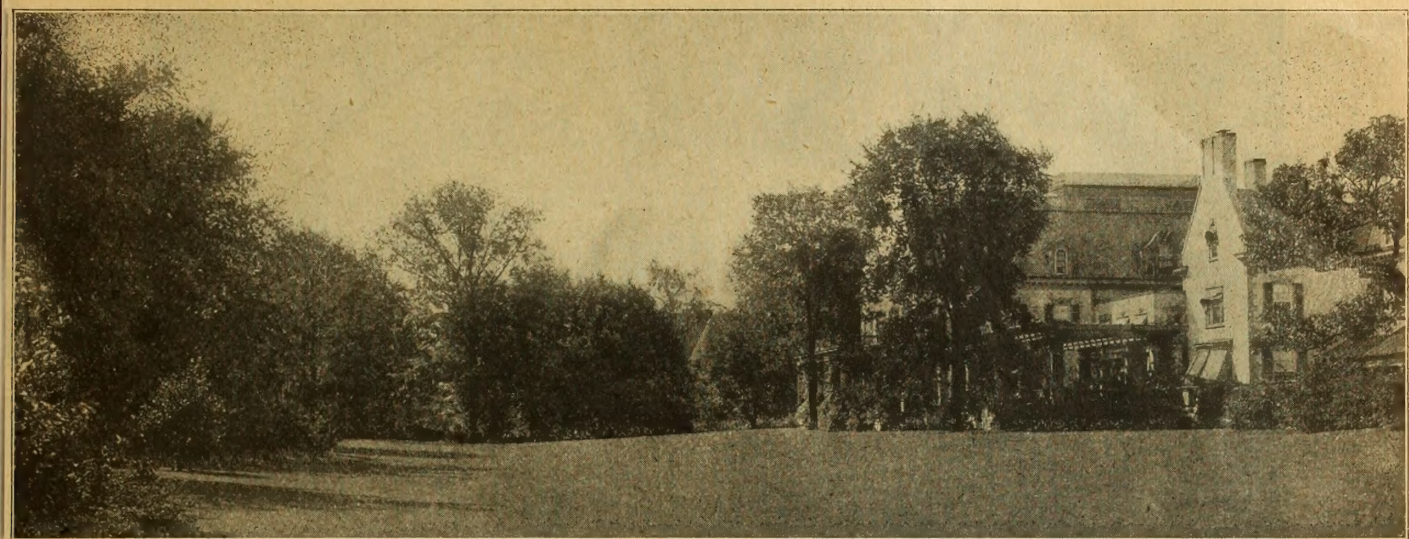
Plan for Collection No. 3



Plan for Collection No. 4



Plan for Collection No. 5



Autumn is the Time to Make a Lawn

MANY gardening operations are more satisfactorily performed in the Fall than in the Spring. In the sowing of grass seed, to make a new lawn, or to improve an old lawn, Fall operations have numerous advantages. It is nature's way to drop grass seed in Summer; the seeds are washed into the soil when the first Fall rains come, and germinate in time to establish roots before the ground is frozen. Growth is resumed with the first thaws of early Spring, and roots are being strengthened when spring-sown seed is just undergoing germination. Where a new lawn is sown in the Fall the inevitable bare spots show up early in the Spring, permitting resowing in time to cover them for the summer and produce a slightly sweep of lawn in the season when it is most desirable.

During the first Winter after the lawn has been started it is advisable to protect it with about an eighth of an inch of top

dressing consisting of a mixture of compost and sand, if the lawn is not sandy or just the compost if soil is sandy. For extreme cold in the northern states a thin covering of well-rotted manure can be used. It should be applied carefully so as not to have too much in spots, or it will smother the grass.

The following quantities of seed will give a uniform thick growth for the given space, but can be increased if desired.

One pound for 300 square feet; 5 pounds for 1,500 square feet; 10 pounds for 3,000 square feet; 15 pounds for 4,250 square feet; 25 pounds for one-fourth acre; 50 pounds for one-half acre; 100 pounds for one acre. A 25-foot lot, deducting for usual house space and out-buildings requires about 5 pounds; a 50-foot lot about 10 pounds. If intended for renovating an old lawn, use about half above quantities.

VAUGHAN'S "CHICAGO PARKS"

Vaughan's "Chicago Parks" Lawn Seed is familiarly known everywhere in the United States where lawns are made.

It produces a beautiful and enduring turf without the aid of cheap "quick-showing" grasses, which are only of temporary value.

After many years' trials we have a balanced mixture of American and such European grasses as do best in our climates. We select the finest grades of evident purity and germination.

For more than 40 years it has been standard in America, each year adding to its popularity and increasing sales.

In the great parks and cemeteries, where best results must be had in order to produce beautiful and enduring turf, Vaughan's "Chicago Parks" is used almost exclusively.

Vaughan's "Chicago Parks" lawn grass seed is thoroughly cleaned, then re-cleaned. This applies to all the separate kinds of seed contained in the mixture, besides which each lot is tested for germination, in the most painstaking and careful manner.

Price, $\frac{1}{2}$ lb., 25c; 1 lb., 45c; 3 lbs., \$1.30; 5 lbs., \$2.15; 10 lbs., \$4.25; 15 lbs., \$6.30; 20 lbs., \$8.30; 25 lbs., \$10.25; 100 lbs., \$40.00.

Postage 8c per lb. extra. See Special prepaid offer below.

Write for special prices on large quantities.

VAUGHAN'S "CENTRAL PARK" MIXTURE

A mixture similar to the "Chicago Parks" and adapted to eastern Atlantic conditions. Prices same as "Chicago Parks."

VAUGHAN'S QUICK SOD

A new mixture put up for fall sowing and first planting on new soil. Quick growing, hardy grasses. Produces a good sod that will winter without killing out. Price, lb., 45c; 5 lbs. \$2.15; 10 lbs., \$4.25; 50 lbs., \$20.50; 100 lbs., \$40.00.

Special Prepaid Lawn Seed Offer. On all orders of Lawn Grass Seed amounting to \$2.00 and over, we prepay transportation within 300 miles of Chicago or New York.

VAUGHAN'S "COLUMBIAN"

For Shady Lawns or Sandy Soil.

On sandy soil in shade, conditions are met with when making a lawn which require the use of a special grass seed mixture.

To provide sure and beautiful lawn grass under such conditions, Vaughan's "Columbian" has been prepared with exceptional care.

Vaughan's "Columbian" is an excellent mixture for the uses stated above; its record in public parks, expositions and private grounds everywhere in the United States justifies its use by every one who needs lawn seed for a shady place or for light, sandy soil.

QUANTITY TO USE—On new lawns, use 1 lb. for 300 square feet; 5 lbs. for 1,500 square feet; 10 lbs. for 3,000 square feet; 15 lbs. for 4,250 square feet; 25 lbs. for one-fourth acre; 100 lbs. for one acre. To replenish lawns where turf is thin use half quantity.

Price, lb., 50c; 5 lbs., \$2.40; 10 lbs., \$4.75; 15 lbs., \$7.00; 20 lbs., \$9.25; 25 lbs., \$11.50; 50 lbs., \$22.75; 100 lbs., \$45.00.

Write for special prices on large quantities.

VAUGHAN'S DENSE SHADE MIXTURE

Composed of grasses most suitable for growing in heavily shaded situations.

Price, per lb., 75c; 5 lbs., \$3.60; per bu. of 20 lbs., \$14.00.

Vaughan's Lawn Restoring Grass Mixture

Takes hold and grows quickly on wornout or burned spots. Sow in very early spring, or late Summer and Fall (end of August to middle of October); also before every Summer rain, on thin places. Price, per qt., 50c; per bu. of 24 lbs., \$11.00.

VAUGHAN'S "QUICK SHOW" GRASS MIXTURE

Has not the permanency of color of our "Chicago Parks," but makes a respectable showing the first season. Sow 100 lbs. to acre.

Price, per lb., 30c; 3 lbs., \$1.40; 100 lbs., \$25.00.

Kentucky Blue Grass We offer in two grades—Extra Fancy Seed. Sun-dried, twice re-cleaned. Of very high germination. 1 lb., 45c; 5 lbs., \$1.90; 10 lbs., \$3.75; 100 lbs., \$35.00.

Fancy Seed—Actual weight 21 lbs., per bushel. 1 lb., 40c; 5 lbs., \$1.70; 10 lbs., \$3.25; 100 lbs., \$30.00.

Red Top Grass Fancy re-cleaned. Solid seed, 32 lbs. to bushel. 1 lb., 30c; 10 lbs. \$2.80; 100 lbs., \$24.00. **Common Unhulled**—Bushel 14 lbs. 1 lb., 20c; 10 lbs., \$1.85; 100 lbs., \$16.00.

White Clover Extra fancy seed. 1 lb., 70c; 3 lbs., \$1.95; 10 lbs., \$6.00. Add 8 cents per pound to above prices if wanted by mail.

Truly a fine lawn is "a thing of beauty and a joy forever." Sow Vaughan's Lawn Seed.



DARWIN TULIPS IN BRONX PARK, NEW YORK CITY

May-Flowering Tulips

MAY-FLOWERING Tulips include the Darwin, Cottage and Breeder types, all of which blossom at about the same time and may be planted harmoniously together, and also the Parrot, Bizarre and Bybloemen types, which are beautifully striped, blotched or otherwise variegated in color or form or both. The latter types are beautiful, but especial care should be used in placing them in plantings. A small group will be a never-failing source of interest.

Darwin Tulips

DARWIN Tulips are beautifully outlined, cup-shaped and carried on tall, stiff stems. They vary in color from almost jet black, crimson and scarlet, purple to lilac, mauve, pink and indescribable intermediate blending and pastel shades. Yellow is the one color missing, but this can be supplied from the Cottage varieties listed on following pages and from the richly blended Breeders, varieties may be chosen which will increase the effectiveness of a planting of the pastel tints so prevalent among the Darwins.

Planting. Plant four or five inches deep and six inches apart in raised beds or borders so that the bulbs are slightly above the level of adjacent lawn or walks. In preparing the ground, use Vaughan's Rosegrower Bonemeal (three handfuls to a square yard), thoroughly mixed through the soil.

Parcel Post. If you wish bulbs sent by parcel post, add to our prices postage at zone rates from Chicago or New York (see inside front cover) counting twelve bulbs as one pound, fifty as four pounds;

one hundred as seven pounds. Larger number are sent by express.

Shades of Red

Ariadne. (28-in.) Brilliant rosy-crimson, shaded scarlet with blue base, large flower of great substance. One of the finest. Good forcer. Per doz., 75c; 100, \$5.00; 1,000, \$45.00.

Bartigon. (22 in.) Large flowers of fiery crimson with bright scarlet margin. One of the best of its color. Per doz., 90c; 100, \$6.00; 1,000, \$55.00.

Europe. (22 in.) Glowing salmon-scarlet, shaded rose; well formed globular flower, erect grower and lasts well. Per doz., 75c; 100, \$5.00; 1,000, \$45.00.

Farncombe Sanders. (25 in.) Fiery rose-scarlet, inside vivid cerise-scarlet with white center marked blue; flowers perfect shape. Per doz., 80c; 100, \$5.50; 1,000, \$50.00.

Mixture of Darwin Tulips

Special Mixture, made up by ourselves from best distinct kinds. Per doz., 75c; 100, \$5.00; 1000, \$45.00.

Regular Mixture, splendid value for mixed beds and cutting. Per doz., 50c; 100, \$3.25; 1000, \$30.00.

Glow. (23 in.) Brilliant glowing vermillion, white and blue base. Per doz., 75c; 100, \$5.00; 1,000, \$47.00.

Harry Veitch. (24 in.) Brilliant blood-red with slightly lighter margin; blue base. Immense blooms on stout stems. An extremely brilliant color that lasts well. Per doz., 75c; 10, \$5.00; 1,000, \$45.00.

King Harold. (24 in.) Deep purple-red with white base, a beautiful variety for the garden, standing the weather well, good forcer. Per doz., 75c; 100, \$5.00; 1,000, \$48.00.

Pride of Haarlem. (28 in.) Bright rose suffused with purple; an enormous flower unsurpassed for groups because of its fine color and stately habit. Per doz., 60c; 100, \$4.00; 1,000, \$35.00.

William Pitt. (22 in.) Very dark scarlet, with purple shade on the outer petals; large flower. Per doz., \$1.10; 100, \$7.50; 1,000, \$70.00.

White and Blush

Gretchen. (23 in.) Pale flesh-pink, changing to light peach-pink. Large egg-shaped bloom. Per doz., 60c; 100, \$4.00; 1,000, \$35.00.

Painted Lady. (27 in.) Creamy white, faint tinge of heliotrope. Per doz., 60c; 100, \$4.25; 1,000, \$38.00.

White Queen. (24 in.) White passing to pink. Per doz., 75c; 100, \$5.00; 1,000, \$45.00.

DARWIN TULIPS—Continued.

Pink and Rose Shades

Afterglow. (26 in.) Deep orange suffused with salmon and salmon edge. Large flower of good substance and unusual coloring. Carried on a tall stately stem. Per dozen, \$2.00; 100, \$15.00.

Baronne De La Tonnaye. (26 in.) Bright rose, margined blush-rose; long, large flower, beautifully shaped. Per doz., 60c; 100, \$4.00; 1,000, \$35.00.

Centenaire. (30 in.) Rich violet-rose with large blue center, immense flower of perfect shape, splendid forcer. Per doz., \$1.15; 100, \$8.00; 1,000, \$75.00.

Clara Butt. (20 in.) Bright shrimp pink, paler edges. Perfect bloom of medium height, white base, midseason, lasts well. The best pink Darwin. Per doz., 55c; 100, \$3.50; 1,000, \$32.00.

L'Ingenue. (20 in.) Pale rose, shaded creamy-white; inside lit up with salmon-rose. Per doz., 75c; 100, \$5.00; 1,000, \$45.00.

Massenet. (25 in.) Soft apple-blossom flushed white, large flower. Per doz., \$1.50; 100, \$10.00; 1,000, \$90.00.

Massachusetts. (25 in.) Deep rose-banded petals with very distinct pale rose edges. Long oval blooms on strong, erect stems. Blossoms early and cut blossoms last well. Per doz., 80c; 100, \$5.50; 1,000, \$50.00.

Mme. Krelage. (27 in.) Very similar to Massachusetts, but the central pink band is a shade lighter and blends into the pale border. Earlier than Massachusetts and tones off into lighter shades all over. Per doz., 75c; 100, \$5.00; 1,000, \$46.00.

Mrs. Cleveland. (24 in.) Pale lilac-rose, with light margin. A delightful color under glass. Per doz., 65c; 100, \$4.50; 1,000, \$40.00.

Nauticus. (25 in.) Glowing dark cerise, center, violet and bronze. Per doz., 65c; 100, \$4.50; 1,000, \$42.00.

Petrus Hondius. (28 in.) Bright carmine-rose, the most brilliant color in Darwins. Per doz., \$1.00; 100, \$6.50; 1,000, \$60.00.

Princess Elizabeth. (Syn. Julie Vinot.) (26 in.) Large flower; soft rich rose toning to silvery-rose at edges. Inside deep rose, white base. Highly recommended. Per doz., \$1.15; 100, \$8.00; 1,000, \$70.00.

Prof. Rawenhoff. (28 in.) Cherry-rose with ivory-white and blue base. Enormous, attractive flower. Per doz., 90c; 100, \$6.00; 1,000, \$55.00.

Psyche. Soft salmon-rose, very lovely; borne on long, stiff stems. Per doz., 60c; 100, \$4.25; 1,000, \$40.00.

Sieraad Van Flora. (24 in.) Bright rosy-pink flower, shaded with lilac; blue base. Very effective. Per doz., 75c; 100, \$5.00; 1,000, \$45.00.

Suzon. (22 in.) Pale blush pink outside, pink inside. Blue and white base. A distinct and desirable tulip as a companion to some of the dark shades. Per doz., 75c; 100, \$5.00; 1,000, \$45.00.

Violet, Black and Shades of Purple

Dream. (25 in.) Pale violet changing to lavender, with lighter edge, clear blue base. Early and keeps its color. Per doz., 65c; 100, \$4.50; 1,000, \$40.00.

Euterpe. (28 in.) Silvery lavender, edged pale lilac. Base white and blue. A long flower of beautiful shape, the finest lavender to plant with the bronze Breeder Tulips, excellent for forcing. Per doz., 75c; 100, \$5.00; 1,000, \$45.00.

Faust. (30 in.) Dark satiny purple with blue base, very large and well formed, good forcer. Per doz., \$1.00; 100, \$6.50; 1,000, \$60.00.



A Group of May-Flowering Varieties, Including Cottage, Darwin, Bybloemen and Bizarro

Frans Hals. (28 in.) Large blue-violet flowers, extra, very good forcer. Per doz., \$1.10; 100, \$7.50; 1,000, \$70.00.

La Tulipe Noire. Nearest of all to the black color. Per doz., 75c; 100, \$5.00; 1,000, \$47.00.

La Tristesse (Dolores). (25 in.) Slaty-mauve with silvery margin and a violet and bronze reverse. A splendid contrast with the yellow Cottage Tulips. Per doz., 65c; 100, \$4.50; 1,000, \$40.00.

Leonardo da Vinci. (25 in.) Shining violet black. Per doz., 75c; 100, \$5.00; 1,000, \$45.00.

Mrs. Potter Palmer. (26 in.) Deep reddish-purple, with dark blue base. A striking and distinct tulip. Per doz., 75c; 100, \$5.00; 1,000, \$45.00.

Philippe de Communes. Velvety dark violet. Per doz., 75c; 100, \$5.00; 1,000, \$45.00.

Rev. H. Ewbank. (20 in.) Deep lilac, toning at the edges to pale lavender. Lighter in color and not so tall as Dream, white base. Distinct flat open flower. Lasts well. Most popular of this shade. Per doz., 65c; 100, \$4.50; 1,000, \$40.00.

The Sultan. (24 in.) Deep maroon-black, brownish margin. Per doz., 60c; 100, \$4.00; 1,000, \$35.00.

William Copland. (Syn. Sweet Lavender.) Sweet Lavender. The best Darwin Tulip for forcing. It may be grown in the house as easily as the early Tulips. Also fine for the border. When grown outside, color is rosy-lilac. When forced, color is beautiful lavender. Per doz., 80c; 100, \$5.50; 1,000, \$50.00.

Zulu. (27 in.) Rich, velvety, purple-black; large cup-shaped flower. Per doz., 75c; 100, \$5.00; 1,000, \$45.00.

Zanzibar. (24 in.) Rich, glossy maroon, center dark blue and white. Per doz., 90c; 100, \$6.00; 1,000, \$55.00.



COTTAGE TULIPS MASSED IN THEIR MOST EFFECTIVE MANNER

Cottage Tulips

EVERY known shade is to be found among these, from deepest crimson, to bright red, orange, glorious yellows, pink and a host of delicate tints of yellow, pink, cream and heliotrope. They differ from Darwin Tulips, in having either oval or pointed blooms, many with reflexed petals and they bloom a few days later, often carrying the flowering period of Spring bulbs into the early days of June, especially if planted in a shady position. Many sweet-scented va-

rieties are included, such as Ges. Lutea and G. Lutea Pallida, Mrs. Moon, Columbus. There is no end of material for color schemes in this class and when massed in beds, borders, or around and among shrubs they produce wonderful effects when suitably contrasted. They will bloom in the same position in congenial soil, for two or three years later without being disturbed.

Planting. Treat same as Darwins.

***For Pots.** When grown in pots, these,

like the Darwin tulips, can be had in flower indoors during March and April, in a temperature not exceeding 55 degrees. Those best suited for growing in this way are marked*.

Parcel Post. If you wish bulbs sent by parcel post, add to our prices postage at zone rates from Chicago or New York (see inside front cover) counting twelve bulbs as one pound, fifty as four pounds; one hundred as seven pounds. Larger numbers are sent by express.

Yellow and Striped Shades

Avis Kennicott. (24 in.) Long pointed bloom of pure yellow, edges of petals slightly frilled. Per doz., \$1.15; 100, \$8.00; 1,000, \$75.00.

***Bouton d' Or.** (16 in.) Round shapely blooms of the purest gold. Good for massing in beds or borders and very fine for vases when cut. Per doz., 60c; 100, \$4.25; 1,000, \$38.00.

***Columbus.** (Gala Beauty.) (18 in.) Medium pointed blooms of rich golden-yellow, feathered and splashed with intense glowing scarlet. Sweet-scented. A delightful combination of color, distinct from all others. Per doz., 90c; 100, \$6.00; 1,000, \$55.00.

Ellen Willmott. (20 in.) Long pointed bloom of pale primrose-yellow, edged golden-yellow. Sweet scented. Per doz., 60c; 100, \$4.00; 1,000, \$35.00.

***Gesneriana Lutea.** (20 in.) A very shapely bloom of the purest yellow; distinctly sweet scented. One of the best yellow tulips in existence for color and perfume. Per doz., 60c; 100, \$4.25; 1,000, \$38.00.

Inglescombe Yellow. (18 in.) A fine, large, globe-shaped flower, color full rich yellow; sometimes called the Yellow Darwin. Per doz., 60c; 100, \$4.25; 1,000, \$40.00.

***Parisian Yellow.** (22 in.) Large, hand-some clear yellow flowers, borne on long stems. Fine for cutting. Per doz., 60c; 100, \$4.25; 1,000, \$40.00.

***Ixioides.** (18 in.) Pure lemon-yellow, very distinct, pointed bloom similar to Ges. Lutea Pallida, but has a jet black base. When fully open, resembles a giant Ixia, from which it derives its name. Late and lasts. Per doz., 90c; 100, \$6.00; 1,000, \$55.00.

From Architect in charge New Bath House
National Park, Hot Springs, Ark.

Dec. 13, 1921.

"The beds for the Tulips will be finished tomorrow and I will start planting Monday. I want to congratulate you on the beautiful varieties that the Vaughan's Seed Store send us. They are much above the average kinds commonly used."

Mrs. Moon. (30 in.) This is beyond doubt the finest late yellow tulip in existence. The blooms are long and pointed, the outer petals reflexed. Distinctly perfumed. Highly recommended for large beds and borders. Per doz., 80c; 100, \$5.50; 1,000, \$50.00.

Moonlight. (20 in.) Oblong blossoms of delicate pale yellow. Very distinct. Plant in semi-shade. Per doz., 75c; 100, \$5.00; 1,000, \$45.00.

Retroflexa. (16 in.) This is quite a distinct and charming type. Large pale yellow flowers, with pointed petals, elegantly recurved. Per doz., 60c; 100, \$4.25; 1,000, \$40.00.

Vitellina. (22 in.) A charming flower of an exquisite pure pale primrose shade. Per doz., 60c; 100, \$4.25; 1,000, \$40.00.

Yellow Picotee. (20 in.) Pure yellow, margined crimson, becoming splashed and feathered with crimson at maturity. Large elegant flower. Per doz., 90c; 100, \$6.00; 1,000, \$55.00.

COTTAGE TULIPS—Continued.

Scarlet and Red Shades

***Caledonia.** (20 in.) Beautiful globe-shaped flower of a bright orange color. Splendid, planted with a deep red. Per doz., 60c; 100, \$4.00; 1,000, \$35.00.

Elegans. (16 in.) Dark crimson, reflexed petals. Very early. Per doz., 65c; 100, \$4.50; 1,000, \$40.00.

Grenadier. (24 in.) Brilliant orange-red. A new Tulip of great beauty. Flowers long, borne on very graceful stems. Per doz., \$2.00; 100, \$15.00.

Gesneriana Major (Spathulata Maj.) (24 in.) Rich crimson-scarlet, with blue basal blotch. One of the best of its color for large plantings especially in combination with yellow or white. Per doz., 65c; 100, \$4.50; 1,000, \$40.00.

Gesneriana "Orange Globe." (22 in.) Rich crimson-scarlet, shading to orange. A grand contrast with Gesneriana Lutea Pallida. Per doz., 65c; 100, \$4.50; 1,000, \$40.00.

Glare of the Garden. (18 in.) Large egg-shaped blooms of rich velvety crimson, with black and gold base. Pronounced the finest of all late crimson tulips. Per doz., 75c; 100, \$5.00; 1,000, \$45.00.

Hammer Hales. Rich mahogany-brown, edged orange. Per doz., \$1.15; 100, \$8.00; 1,000, \$75.00.

Inglescombe Scarlet. (16 in.) Brilliant vermilion with a black base. One of the best reds. Per doz., 65c; 100, \$4.50; 1,000, \$42.00.

John Ruskin. Large egg-shaped bloom of graceful form and habit. Flowers salmon-rose with pale yellow margin; inside heliotrope with golden border and base. One of the choicest in this list. Per doz., 75c; 100, \$5.00; 1,000, \$45.00.

***La Merveille.** (20 in.) Extra large fragrant flower, suffused with apricot-orange. Per doz., 60c; 100, \$4.25; 1,000, \$40.00.

***Scarlet Emperor.** (24 in.) Brilliant glowing scarlet. Flowers of gigantic size, cup-shaped, with clear yellow base. (Awarded 1st-class certificate R. H. S. England.) Per doz., 95c; 100, \$6.50; 1,000, \$60.00.

Pink and Rose Shades

Carnation. The old English Picotee. Snow-white, changing to carmine-rose, exquisitely beautiful. Per doz., 80c; 100, \$5.00; 1,000, \$50.00.

***Inglescombe Pink.** (24 in.) Beautiful clear pink with amber tinge inside, later becoming pure pink. Per doz., 65c; 100, \$4.50; 1,000, \$42.00.

*VAUGHAN'S SPECIAL MIXTURE COTTAGE TULIPS

AN excellent collection of named varieties, giving a dazzling display in mass. Splendid for cutting. Per doz., 60c; 100, \$4.00; 1,000, \$35.00
Regular mixed. Per doz., 50c; 100, \$3.25; 1,000, \$30.00.

THE CANDY-STICK TULIP

This Tulip is suitable for slow forcing or for bedding. In color it resembles the old-fashioned candy-stick Red and white. Per doz., 75c; per 100, \$5.00; per 1,000, \$45.00.

***Isabella (Shannon Bells).** (15 in.) A beautiful variety with large handsome flowers. Color primrose, flushed rose, changing to rosy-red. Per doz., 60c; 100, \$4.25; 1,000, \$38.00.

Maiden's Blush (Picotee). (20 in.) A long-shaped flower, pure white recurved petals, margined rose. Per doz., 60c; 100, \$4.25; 1,000, \$40.00.

Bronze, Fawn, Lilac and White

Daybreak. (18 in.) Violet with large yellow border. Per doz., 90c; 100, \$6.00; 1,000, \$55.00.

***Fairy Queen.** (20 in.) Oblong blooms of rosy-heliotrope blending into a golden-yellow at the edges of petals. Very distinct. One of the most beautiful of all. Per doz., 65c; 100, \$4.50; 1,000, \$40.00.

Norham Beauty. (18 in.) Purplish lilac, shading to a bronzy yellow low edge; very attractive and distinct. Per doz., 75c; 100, \$5.00; 1,000, \$45.00.

***Parisian White.** (14 in.) Pure white, edged silvery-pink, beautiful globe-shaped flowers. Per doz., 60c; 100, \$4.25; 1,000, \$40.00.

Royal White. Pure white, yellow center, large flower. Per doz., \$1.00; 100, \$7.00; 1,000, \$65.00.

The Fawn. (20 in.) Egg-shaped bloom of yellowish fawn color, blended with pale rosy-lavender and blush-pink margin. One of the prettiest of all late tulips. Per doz., 60c; 100, \$4.25; 1,000, \$38.00.

Beautiful Breeder Tulips

AREAWAKENING to the charm of coloring in the old fashioned Breeder tulips has made this interesting class a favorite with modern gardeners. We are told that these varieties are older than either the Cottage or Darwins. They are the "mother bulbs" from which fanciers in Holland during the historic "tulipomania" developed the striped and blotched varieties which were the subject of a speculative craze. The chief source of new varieties was not through breeding, but through the "breaking" of solid colors into the conspicuous striped forms. It is a comment on the development of taste among gardeners that the dull shades then grown in the hope that they would "break"

into gay effects, should now be valued for their rich, dark, somber splendor. We have offered for years a large list of Breeder varieties and are gratified to note their increasing popularity. They blossom in May, and though not so tall, perhaps, produce as a rule, even larger blossoms than the Darwins. The colors include many rare among flowers—browns, bronzes, purples, blue-blacks, deep mauves, dull gold and dark lilac all so exquisitely blended as to produce perfect harmony or effective contrasts when planted with their more brilliant Darwin and Cottage companions.

Planting. Plant the same as Darwins. Parcel post weights are also the same.

Apricot. (24 in.) Bronze shaded Apricot, olive base, large flower. Per doz., 90c; 100, \$6.00; 1,000, \$55.00.

Bacchus. (28 in.) Dark violet-blue, very large flower, very handsome. Per doz., \$2.00; 100, \$15.00.

Bronze Queen. (28 in.) Soft buff, inside tinged golden-bronze, good forcer. Per doz., 75c; 100, \$5.00; 1,000, \$45.00.

Cardinal Manning. (28 in.) Wine-red flushed rosy-brown. Per doz., 75c; 100, \$5.00; 1,000, \$45.00.

Coridion. (24 in.) Clear yellow, very distinct. Per doz., \$1.75; 100, \$12.00.

Don Pedro. A beautiful shade of coffee-brown shaded maroon inside rich mahogany. Per doz., \$1.15; 100, \$8.00; 1,000, \$75.00.

Feu Ardent. (24 in.) Brilliant fiery red, good forcer. Per doz., \$1.10; 100, \$7.50; 1,000, \$70.00.

General Ney. (25 in.) Old gold with olive. Large flower. Per doz., 75c; 100, \$5.00; 1,000, \$45.00.

Godet Parfait. (30 in.) Bright violet, with white base, very large flower. Per doz., \$1.15; 100, \$8.00; 1,000, \$70.00.

VELVET
KING

BREEDER
TYPE



Golden Bronze. (24 in.) Beautiful bronzy-yellow, good forcer. Per doz., 95c; 100, \$6.50; 1,000, \$60.00.

Jaune d'Oeuf. (26 in.) Outside orange-red, inside orange, good forcer. Per doz., 65c; 100, \$4.50; 1,000, \$40.00.

Le Mogol. (26 in.) Clear lilac, flushed white. Per doz., 90c; 100, \$6.00; 1,000, \$55.00.

Louis XIV (New). (16 in.) An immense flower, rich purple, with golden bronze margin; inside bronzy-purple. A gigantic and very handsome tulip. Per doz., \$2.75; 100, \$20.00.

Lucifer. (18 in.) Bright terra-cotta-orange. Very large. Per doz., \$1.75; 100, \$12.00.

Madame Lethierry. (26 in.) Salmon, very handsome. Per doz., 90c; 100, \$6.00; 1,000, \$55.00.

VAUGHAN'S SPECIAL MIXTURE OF BREEDER TULIPS

An excellent collection of this popular class of Tulips, including many rare colors. Per doz., 60c; 100, \$4.00; 1,000, \$35.00.



THE PARROT TYPE IS BEAUTIFUL

BREEDER TULIPS—Continued.

Panorama (Fairy). (26 in.) Reddish, mahogany, good forcer. Per doz., \$1.05; 100, \$7.50; 1,000, \$70.00.

Plutarchus. (26 in.) Bronze, shaded at base with terra-cotta, a very handsome tulip. Per doz., \$1.05; 100, \$7.50; 1,000, \$70.00.

Prince of Orange. Orange-scarlet edged light yellow, flower of striking beauty. Per doz., 90c; 100, \$6.00; 1,000, \$55.00.

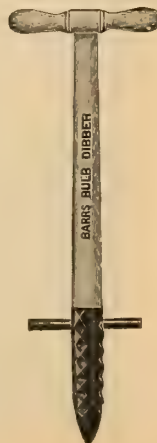
Queen Alexandra. (23 in.) A beautiful new late tulip with a very elegant shaped flower, soft sulphur-yellow with black anthers. Per doz., 80c; 100, \$5.50; 1,000, \$50.00.

Bulb Planter

Specially designed for planting Daffodils and other bulbs in grass. This tool cuts and lifts a clean circular piece of turf which is released from the cup when the second hole is made, and lies ready at hand to fill in the holes when the bulbs have been put in, it being only necessary to remove a little of the soil from the bottom of the sod. A time must be chosen for planting when the ground has become softened after early autumn rains and not when in a hard and baked condition, as it is then impossible to use this or indeed any other tool with success. Each (in Chicago) \$8.75; (in New York) \$8.50.

Bulb Dibber

Specially designed for dibbling bulbs into borders, etc.; steel shod, with strong iron thread and cross wooden handle; a good strong heavy tool, weight, about 6¾ lbs., length 36 inches over all. Each (in Chicago) \$6.75; (in New York) \$6.50.



BREEDER TULIPS—Continued.

Samson. (25 in.) Violet, bronze bordered, good forcer. Per doz., 95c; 100, \$6.50; 1,000, \$60.00.

Superba. (27 in.) Shining velvet-black, brown tinted. Per doz., 95c; 100, \$6.50; 1,000, \$60.00.

Turenne. (25 in.) A remarkably fine tulip of rich purple, broadly margined amber. Inside brownish-yellow. Per doz., \$1.05; 100, \$7.50; 1,000, \$70.00.

Velvet King. (21 in.) Crimson-maroon, reflecting a purplish "bloom"; deep crimson inside. Creamery white base. Rounded petals. Distinct in color and shape from Zulu. Very fine. Per doz., \$1.75; 100, \$12.00.

Violet Queen. Large ruby-violet of stately habit. Per doz., \$1.00; 100, \$7.00; 1,000, \$65.00.

Yellow Perfection. (24 in.) Light bronze-yellow. Per doz., 75c; 100, \$5.00; 1,000, \$45.00.

Striped Tulips

THOUGH too gay for modern taste to serve in large plantations, the old-fashioned striped tulips are beautiful. They prove that the Dutch tulipomania was not without excuse, and no gardener who wishes his collection to be representative will be without some specimens.

For indoor decoration a few of these truly beautiful and unquestionably striking flowers will be found most welcome. Particularly in May, when they blossom, will their contrasted shades be welcome both indoors and out. **Culture,** same as for Darwin's.

Parcel Post. Count 12 bulbs as one pound, and add postage at zone rates. (See inside cover.)

Bizarres. Mixed. Flowers beautifully blotched, striped and feathered with crimson, pink, scarlet, rose, lilac and purple on yellow ground. Per doz., 65c; 100, \$4.50; 1,000, \$40.00.

Bybloemens. Mixed. White ground, blotched, striped or feathered with lilac, purple, violet, blue. Per doz., 65c; 100, \$4.50; 1,000, \$40.00.

Parrot Tulips

THEIR fringed and corrugated petals with their wonderful variation make these old-fashioned flowers the most curious of all Tulips. Flowering at the same time as other late sorts; they are entirely distinct from any other; the flowers are thick-petaled with extra long stems, and keep extremely well after being cut. The average height of them is about 15 inches.

Admiral de Constantinople. Red, tipped orange. Per doz., 60c; 100, \$4.00; 1,000, \$35.00.

Lutea Major. Bright yellow; large. Per doz., 60c; 100, \$4.00; 1,000, \$35.00.

Markgrave. Yellow, striped scarlet and green. Per doz., 60c; 100, \$4.00; 1,000, \$35.00.

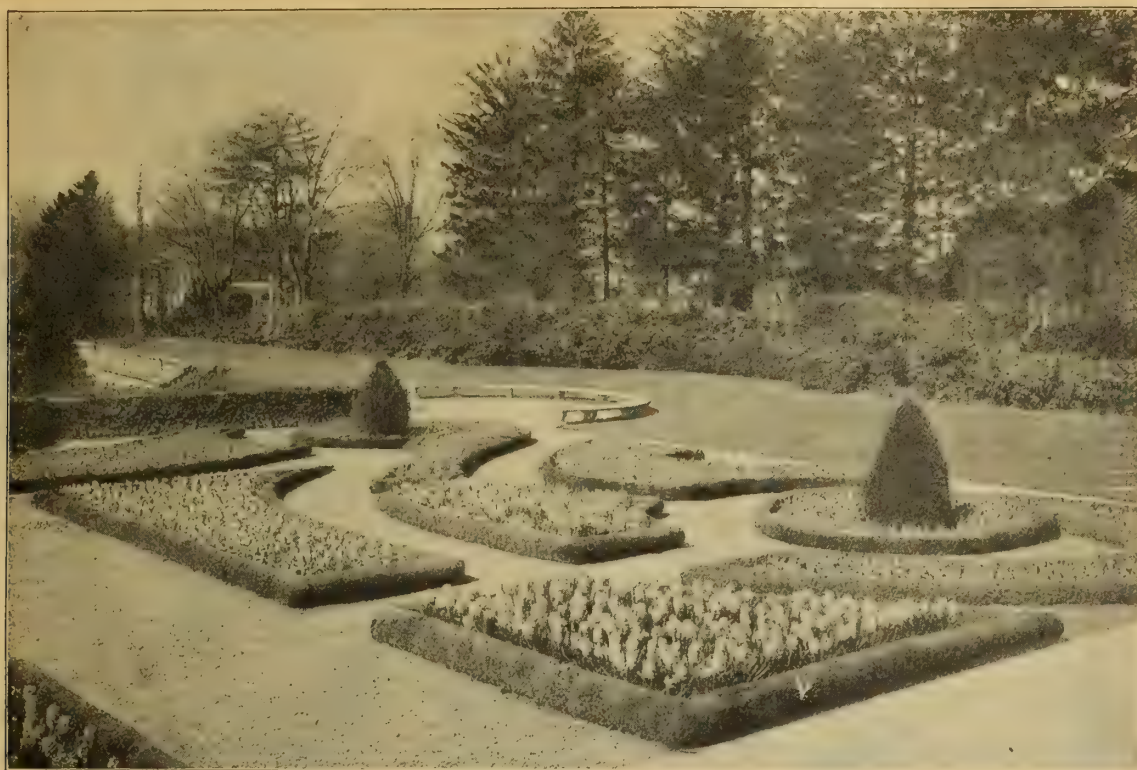
Perfecta. Yellow, striped red. Per doz., 60c; 100, \$4.00; 1,000, \$35.00.

Couleur Cafe. Brown and yellow. Per doz., 60c; 100, \$4.00; 1,000, \$35.00.

Cramoisie Brilliant. Deep crimson with large black center. Per doz., 60c; 100, \$4.00; 1,000, \$35.00.

Gloriosa. Red and yellow. Per doz., 60c; 100, \$4.00; 1,000, \$35.00.

Mixed Superfine. Per doz., 50c; 100, \$3.25; 1,000, \$30.00.



EARLY TULIPS AND HYACINTHS IN FORMAL BEDDING

Early-Flowering Tulips

EARLY tulips, single and double, begin to flower in April. Though not so tall as the May-flowering types some of them give flowers as large and colors as wonderful. These hardy pioneers fearlessly thrust their heads through the cold, wet soil long before most other plants have stirred from winter's sleep.

Planting. Do not use fresh stable

manure at any time, either in the soil or as a mulch, or you will have no flowers. Plant four to six inches apart and four inches deep. Dig Bone Meal into the beds or borders before planting, about two handfuls to the square yard. When the beds or borders are made, have them raised 4 to 6 inches above the adjacent walk or lawn; this insures proper drainage and prevents lodgments of water around the bulbs, and subsequent rotting.

Explanatory. The number following the name of the variety denotes the height in inches, while the (a) and (b) indicate their earliness of bloom—the (a's) flower together and are earliest; the (b's) flower together, but are somewhat late. The Duc Van Thol Tulips should be used for pots only.

Parcel Post. 12 bulbs weigh 1 lb.; 50, 4 lbs.; 100, 7 lbs. Add postage at zone rates on inside of front cover.

Single Early

Single White

La Reine. 8b, white, shaded rose. Per doz., 60c; 100, \$4.00; 1,000, \$35.00.

Pottebakker White. 9a, pure white. Per doz., 75c; 100, \$5.00; 1,000, \$45.00.

Princess Helena. 10a, pure white. Per doz., 60c; 100, \$4.25; 1,000, \$38.00.

Von Vondel. 8b, pure white, splendid. Per doz., 75c; 100, \$5.00; 1,000, \$45.00.

White Swan. 15b, pure white. Per doz., 65c; 100, \$4.50; 1,000, \$40.00.

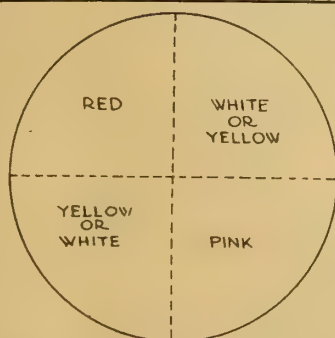
White Hawk. 7a, white; very fine. Per doz., 80c; 100, \$5.50; 1,000, \$50.00.

Single Early Mixed

Per doz., 45c; 100, \$2.75; 1,000, \$25.00.

Vaughan's Special Single Mixed

Per doz., 55c; 100, \$3.50; 1,000, \$32.00.



SPECIAL OFFER SINGLE TULIP BEDS—Early Flowering

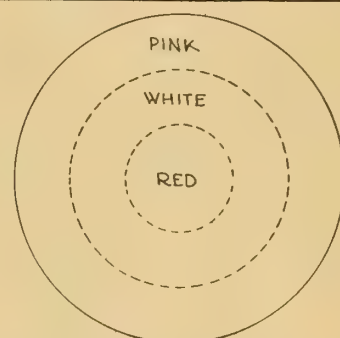
We can furnish at a special price, bulbs for circular beds in four colors, varieties to be our selection. Shallow-rooted plants can be grown in these beds without removing the tulips, except once in three years. For planting in parkways these beds are ideal. Plant the bulbs either 4 or 6 inches apart.

For 3-ft. bed planted 4 in. apart, 96 tulips, 24 each, red, white, yellow and pink \$3.00, postpaid.

For 3-ft. bed planted 6 in. apart, 36 tulips, 9 each, red, white, yellow and pink, \$1.25, postpaid.

For 4-ft. bed planted 4 in. apart, 128 tulips, 32 each, red, white, yellow and pink, \$4.25, postpaid.

For 4-ft. bed, planted 6 in. apart, 60 tulips, 15 each, red, white, yellow and pink, \$2.00, postpaid.



SPECIAL OFFER DOUBLE TULIP BEDS—Early Flowering

We can furnish at a special price bulbs for circular beds in three colors, varieties to be our selection. Shallow-rooted plants can be grown in these beds without removing the tulips, except once in three years. For planting in parkways these beds are ideal. Plant the bulbs either 4 or 6 inches apart.

For 3-ft. bed, planted 4 in. apart, 96 tulips, 32 each, pink, white and red, \$2.00, postpaid.

For 3-ft. bed, planted 6 in. apart, 36 tulips, 12 each, pink, white and red, \$1.25, postpaid.

For 4-ft. bed, planted 4 in. apart, 126 tulips, 42 each, pink, white and red, \$4.25, postpaid.

For 4-ft. bed, planted 6 in. apart, 60 tulips, 20 each, pink, white and red, \$2.00, postpaid.



KEIZERSKROON



COULEUR CARDINAL

SINGLE EARLY—Continued

Single Scarlet and Crimson

Artus. 7b, a splendid deep scarlet. Per doz., 60c; 100, \$4.00; 1,000, \$35.00.

Belle Alliance. 8b, brilliant scarlet. Per doz., 75c; 100, \$5.00; 1,000, \$48.00.

Brilliant Star. 8a, bright glowing scarlet; very early. Per doz., \$1.15; 100, \$8.00; 1,000, \$75.00.

Couleur Cardinal. 8a, crimson. Per doz., 95c; 100, \$6.50; 1,000, \$60.00.

Cramoisi Brilliant. 7b, bright scarlet. Per doz., 60c; 100, \$4.00; 1,000, \$35.00.

Dusart. 7a, dark red. Per doz., 65c; 100, \$4.50; 1,000, \$40.00.

Sir Thomas Lipton. 12a, rich crimson-scarlet. Per doz., 80c; 100, \$5.50; 1,000, \$50.00.

Vermillion Brilliant. 7b, dazzling vermilion-scarlet, fine for pots. Per doz., \$1.00; 100, \$7.00; 1,000, \$65.00.

Single Pink and Rose

Flamingo. 8a, Carmine-rose and white. Per doz., 90c; 100, \$6.00; 1,000, \$55.00.

McKinley. Inside orange-red; outside rosy-red shaded orange; unique and very bright color. Per doz., 75c; 100, \$5.00; 1,000, \$45.00.

Mme. Frylink. 8b, very fine pink. Per doz., 90c; 100, \$6.00; 1,000, \$55.00.

Queen of the Netherlands. 10a, pale pink. Per doz., 75c; 100, \$5.00; 1,000, \$45.00.

Extra Fine Single Mixed

Per doz., 45c; 100, \$2.75; 1,000, \$25.00

Vaughan's Special Single Mixed

Per doz., 55c; 100, \$3.50; 1,000, \$32.00

SINGLE PINK AND ROSE—Continued

Pink Beauty. 12b, bright rose-pink shading to blush-white. Per doz., \$1.15; 100, \$8.00; 1,000, \$78.00.

Princess Wilhelmina. 12a, deep rosy-red, flushed white. Per doz., 75c; 100, \$5.00; 1,000, \$45.00.

Proserpine. 9a, glossy pink, early. Per doz., \$1.05; 100, \$7.50; 1,000, \$72.00.

Prosperity. Per doz., 65c; 100, \$4.50; 1,000, \$40.00.

Roos Van Dekana. Rosy pink, yellow base. Early. Per doz., 95c; 100, \$6.50; 1,000, \$60.00.

Rose Gris de Lin. 7b, delicate rose, flushed white. Per doz., 60c; 100, \$4.00; 1,000, \$35.00.

Rose Luisante. 7b, brilliant deep pink. Per doz., \$1.05; 100, \$7.50; 1,000, \$72.00.

Vaughan's New Pink. 8a, pink, shaded white. Per doz., 75c; 100, \$5.00; 1,000, \$45.00.

Single Yellow

Chrysolora. 8b, golden-yellow; fine bedder. Per doz., 60c; 100, \$4.00; 1,000, \$38.00.

Fred Moore. 10b, deep orange, edged yellow. Per doz., 60c; 100, \$4.00; 1,000, \$35.00.

Gold Finch. 7a, pure yellow, sweet scented. Per doz., 60c; 100, \$4.00; 1,000, \$35.00.

King of Yellows. 9a, deep golden yellow. Per doz., 60c; 100, \$4.00; 1,000, \$35.00.

Mon Tresor. 7a, pure yellow; large cup. Per doz., 65c; 100, \$4.50; 1,000, \$40.00.

Rising Sun. Per doz., 90c; 100, \$6.00; 1,000, \$55.00.

Yellow Prince. 8a, golden-yellow, fine forcer. Per doz., 65c; 100, \$4.50; 1,000, \$40.00.

Striped Margined or Otherwise

Duchesse de Parma. 9b, orange-scarlet, yellow edge. Per doz., 75c; 100, \$5.00; 1,000, \$45.00.

Duc de Berlin. 6a, clear scarlet, edged yellow. Per doz., 60c; 100, \$4.25; 1,000, \$38.00.

De Wet. 10a, beautiful deep orange, shaded golden-yellow at the base of the petals. A very artistic flower and one of the finest newer sorts in cultivation. There is no other orange variety which equals it in brilliancy. It is therefore one of the showiest bedders, and as it forces splendidly we can recommend it for all purposes. Per doz., \$2.75; 100, \$20.00.

Grand Duke (Keizerskroon). 10b, red distinct wide golden border, one of the finest. Per doz., 80c; 100, \$5.50; 1,000, \$50.00.

Prince of Austria. 8a, orange-vermilion. Per doz., 75c; 100, \$5.00; 1,000, \$45.00.

President Lincoln. 8b, light violet. Per doz., 65c; 100, \$4.50; 1,000, \$40.00.

Thomas Moore. 7b, apricot-orange. Per doz., 60c; 100, \$4.00; 1,000, \$35.00.

Wouverman. 7b, dark violet. Per doz., 65c; 100, \$4.50; 1,000, \$40.00.

Bushnell, Ill., May 24, 1923.

Vaughan's Seed Store, Chicago, Ill.

I am writing to ask you what I can plant in the place where my tulips are now blooming, after they are over. We are now enjoying the continuous blooming of the bed planted from your catalogue bed No. 5. Every one is blooming, and they are such beautiful shades of such large-flowering tulips and are greatly admired by everyone.

MRS. W. E. TRUMAN.



Double Early Tulips

THERE is a distinct revival of the popularity of the wonderful Double Tulips with their mammoth peony-like flowers of brilliant and beautifully diversified colors. They are very effective in beds on lawns and terraces. The flowers last much longer in bloom than the single varieties and consequently, when single and double are planted in one bed, the time of flowering is prolonged from two to three weeks. Early sorts do very well when grown in pots for winter blooming, but they must be forced more slowly than the Single Tulips. Coming in April outdoors, these splendid flowers are unrivaled in their season for size and brilliance.

Double White

- Boule de Nieve.** 10b, pure white. Per doz., 80c; 100, \$5.50; 1,000, \$50.00.
- La Grandesse.** 12b, blush-white. Per doz., 65c; 100, \$4.50; 1,000, \$42.00.
- Schoonoord (White Murillo).** 12b, pure white. Extra fine. Per doz., 80c; 100, \$5.50; 1,000, \$50.00.

Double Striped or Otherwise

Colored

- Gloria Solis.** 9a, bright scarlet, yellow border. Per doz., 65c; 100, \$4.50; 1,000, \$42.00.
- Titian.** 8b, scarlet edged yellow. Per doz., 65c; 100, \$4.50; 1,000, \$42.00.
- Tournesol.** Red and yellow. 8a, very showy. Per doz., 90c; 100, \$6.00; 1,000, \$55.00.

Double Pink

- Couronne des Roses.** 10b, bright pink. Per doz., 95c; 100, \$6.50; 1,000, \$60.00.
- Lac Von Haarlem.** 12c, rosy-violet. Per doz., \$1.00; 100, \$7.00; 1,000, \$65.00.
- Lord Roseberry.** 10b, light pink. Per doz., 75c; 100, \$5.00; 1,000, \$45.00.
- Lucretia.** 14b, deep rose. Per doz., 75c; 100, \$5.00; 1,000, \$45.00.
- Murillo.** 7a, (fancy), large pink, suffused white. Per doz., 55c; 100, \$3.50; 1,000, \$30.00.
- Peach Blossom.** 8a, deep rosy-pink, deepening with age to a deep rose. A very fine flower with a wonderful color. A new variety of superb quality. Per doz., \$1.50; 100, \$10.00; 1,000, \$95.00.
- Salvator Rosa.** 8a, beautiful rose, fine forcer. Per doz., 80c; 100, \$5.50; 1,000, \$50.00.

Vaughan's Mixtures of Double Tulips

- Vaughan's Special Mixture.** This mixture we make up ourselves from the best named varieties and with such that will bloom about the same time, and of about the same height. Do not compare this mixture with regular mixtures which are made up by the Holland growers of cheap sorts. Per doz., 60c; 100, \$4.00; 1,000, \$35.00.
- Extra Fine Double Mixed.** Per doz., 50c; 100, \$3.00; 1,000, \$27.00.

Bedford, Ind., June 8, 1923.
Vaughan's Seed Store, Chicago, Ill.
The tulips I bought of you during the last two years have been gorgeous. Great full, glimmering blossoms delighted our neighbors and us.
CLARA FREIDLEY.

Double Yellow

- Brimstone Beauty.** 12b, yellow and apricot. Per doz., 65c; 100, \$4.50; 1,000, \$40.00.
- Couronne d'Or (Crown of Gold).** 10a, beautiful rich, golden-yellow. Per doz., 80c; 100, \$5.50; 1,000, \$50.00.
- Mr. Van der Hoef.** A yellow sport of Murillo with all its superb qualities. One of the very finest of the primrose-yellow Double Tulips. A very lovely flower. Per doz., \$1.05; 100, \$7.50; 1,000, \$70.00.

Double Red

- Imperator Rubrorum.** 9a, bright scarlet. Per doz., 90c; 100, \$6.00; 1,000, \$55.00.
- Le Matador.** 12c, scarlet with purple glow. Per doz., 75c; 100, \$5.00; 1,000, \$45.00.
- Rubra Maxima.** 8b, dazzling scarlet. Per doz., 65c; 100, \$4.50; 1,000, \$42.00.
- Toreador.** Reddish-orange and yellow. Per doz., \$1.05; 100, \$7.50; 1,000, \$70.00.
- Vuurbaak.** 9b, bright scarlet, suffused orange. Per doz., \$1.00; 100, \$7.00; 1,000, \$65.00.

A Splendid Late Double Tulip

- Bleu Celeste (Blue Flag).** Blooming in May with the Cottage Tulips, this magnificent variety makes a wonderful showing in the herbaceous border, or in the partial shade of low shrubs. The blooms are large and very double (resembling a good double peony), a delightful shade of pale bluish-purple and are borne on long stems, making them splendid decorative flowers. Per doz., 80c; 100, \$5.50; 1,000, \$50.00.



EMPRESS NARCISSI GROUPED IN THE HARDY BORDER

Daffodils and Narcissi

WE HAVE had many years' experience as importers of daffodils for outdoor and indoor growing. The varieties in our list are carefully chosen from the large number of varieties grown abroad, where climatic conditions are much more favorable to these flowers than in our own country. We do the experimenting for you, in putting the improved varieties to test before offering them.

The quality of our bulbs is of the highest, thanks to the knowledge of standard and reliable sources which our long experience supplies. Those who have bought Vaughan's bulbs before, need no assurance of this; and the beginner in this enchanting field of garden art will have every chance of success with Vaughan's daffodil bulbs.

Three or four bulbs can be planted in a 6-inch pan and should be given the same treatment as early Tulips. For outdoor culture plant the bulbs 5 or 6 inches apart, fertilizing with bone meal at the rate of two handfuls to a square yard. Never dig in fresh manure.

Parcel Post. Large bulbs, 12 weigh 1½ lbs.; 50, 5 lbs.; 100, 10 lbs. Mammoth bulbs, 12 weigh 3 lbs.; 50, 9 lbs.; 100, 18 lbs. Price "each" includes postage. Add postage at zone rates.

Large Trumpets All Yellow

Conqueror. Free blooming, bold, enormous flowers, its perianth often reaches a diameter of 13 cms., large, widely expanded yellow trumpet, fairly flat perianth, pale primrose; long stem. A grand novelty. Double nose bulbs. Per doz., \$2.50; 100, \$18.00.

Vaughan's Christmas Glory. Perianth pale yellow and full. Medium size trumpet of rich yellow, well expanded and prettily frilled. Very productive, large bulbs giving from three to six blooms each. A week to 10 days earlier than any other in this list. Invaluable indoors on account of its earliness and free-blooming qualities. Per doz., \$1.50; 100, \$10.00; 1,000, \$90.00.

Emperor. A magnificent sort. The entire flower is a rich yellow; trumpet of immense size and petals so broad that they overlap. Three of these bulbs planted in a 6-inch pot will make a splendid show. Large bulbs, per doz., 90c; 100, \$6.00; 1,000, \$55.00. Mammoth bulbs, per doz., \$1.25; 100, \$8.00; 1,000, \$75.00.

Golden Spur. A tall, vigorous, golden-yellow flower, with healthy green foliage. Fine for beds or pots. Very early. Large bulbs, per doz., 90c; 100, \$6.00; 1,000, \$55.00. Mother bulbs, per doz., \$1.25; 100, \$8.00; 1,000, \$75.00.

Glory of Leiden. Immense flowers of majestic appearance; very long, fluted trumpet, rich golden-yellow; the perianth segments are very broad, and overlapping; this variety deserves first place in any Narcissus collection. Mammoth bulbs, per doz., \$1.50; 100, \$10.00; 1,000, \$90.00.

Minister Talma. Flowers are bright yellow with a large open trumpet, deeply filled at brim and are thrown well above the erect foliage. Early forcer. Per doz., \$1.75; 100, \$12.00.

King Alfred. "The King of Yellow Daffodils." Tall, vigorous, golden-yellow flower, of elegant form. The expanded trumpet measures 2½ inches in diameter, the perianth proportionately large and segments gracefully twisted. Height, 24 inches. Mammoth bulbs, per doz., \$2.50; 100, \$18.00.



GOLDEN SPUR

White or Cream Large Trumpet

WHITE perianths with white or sulphur trumpets, which change to white as the flowers mature. They make a pleasing contrast with the yellow and bicolor types.

Parcel Post. Large bulbs, 12 weigh 1½ lbs.; 50, 5 lbs.; 100, 10 lbs. Mammoth bulbs, 12 weigh 3 lbs.; 50, 9 lbs.; 100, 18 lbs. Price "each" includes postage. Add postage at Zone Rates.

Mme. De Graaff The grandest of white daffodils. Broad white overlapping perianth segments, with cream trumpet, changing to white, beautifully expanded and rolled back. Per doz., \$1.25; 100, \$8.00; 1,000, \$70.00.

Mrs. Thompson. Large and handsome, appears primrose, changing with age to pure white. A strong grower, early and free bloomer. Per doz., 80c; 100, \$5.50; 1,000, \$50.00.

Large Trumpet Bicolor

THESE splendid flowers have white or cream perianth segments with primrose or deep yellow trumpets. They are valuable for cut flowers as well as in the border.

Parcel Post. Weights, same as above.

Duke of Bedford (New). A bicolor of massive proportions; perianth pure white, 4½ inches across, with large expanding clear yellow trumpet. Per doz., \$4.50; 100, \$30.00.

Empress. This makes a fitting companion to Emperor. We think it one of the finest of bicolors. The trumpet is of a rich yellow, with perianth of snow-white petals; flowers bold and erect. Large bulbs, per doz., 90c; 100, \$6.00; 1,000, \$55.00. Mammoth bulbs, per doz., \$1.25; 100, \$8.00; 1,000, \$75.00.

Glory of Noordwijk. A grand bicolor, large yellow trumpet, petals sulphur-yellow. Per doz., \$1.50; 100, \$10.00; 1,000, \$95.00.



NARCISSUS HOMESPUN



KING ALFRED

LARGE TRUMPET, BI-COLOR—Continued

Miss Ellen Terry. Fine white perianth, yellow trumpet, early forcer. Per doz., \$1.40; 100, \$9.50; 1,000, \$90.00.

Mme. Plemp. Pure white perianth, with broad over-lapping segments. Fine yellow trumpet of great substance. Per doz., \$1.25; 100, \$8.00; 1,000, \$75.00.

Mrs. Walter T. Ware. A perfect-shaped, very free and early-blooming Daffodil with pure white perianth and well expanded, beautifully recurved, golden-yellow trumpet. Per doz., \$1.00; 100, \$6.50; 1,000, \$60.00.

Princeps Maximus. A popular variety, being used extensively for naturalizing in woodlands or along streams; one of the best forcing sorts, being very early; perianth sulphur-yellow, trumpet rich yellow. Large bulbs, per doz., 55c; 100, \$3.50; 1,000, \$32.00. Mammoth bulbs, per doz., 80c; 100, \$5.25; 1,000, \$48.00.

Weardale Perfection. Perianth white, trumpet soft sulphur-white, exceedingly handsome. Per doz., \$2.75; 100, \$20.00.

Victoria. Flowers large and erect, with creamy-white perianth of remarkable breadth and good quality; the trumpet is a clear rich yellow and frilled at mouth. Large bulbs, per doz., \$1.00; 100, \$6.50; 1,000, \$60.00. Mammoth bulbs, per doz., \$1.40; 100, \$9.00; 1,000, \$85.00.

Medium-Sized Trumpets

Incomparabilis Class

THIS class includes many of the most beautiful and useful Daffodils for bedding, naturalizing and border planting. Strong growers, hardy and free bloomers. Forced for winter flowers, they are splendid.

We include under this heading the beautiful Leedsii kinds, which belong to it only in shape, but are quite distinct in color. All have the purest white peri-

MEDIUM SIZED TRUMPETS—Continued

anths and as a rule white cups, though some are often shaded primrose or faint buff-orange.

Parcel Post. Weights of all the following bulbs are as follows: 12 bulbs, 1 lb.; 50, 5 lbs.; 100, 10 lbs. Add postage at Zone Rates on inside of front cover.

Autocrat. A flower of exquisite shape; perianth and cup a uniform pure yellow. Excellent for pots or beds. Per doz., \$1.00; 100, \$6.50; 1,000, \$60.00.

Beauty. Sulphur-yellow perianth, large yellow cup margined scarlet. Per doz., 90c; 100, \$6.00; 1,000, \$55.00.

Gloria Mundi. A lovely flower, with fine bold, clear rich yellow perianth, large cup, much expanded, and very heavily stained orange-scarlet; handsome and striking. Per doz., 80c; 100, \$5.50; 1,000, \$50.00.

Homespun (Primrose Sir Watkin). One of the finest of all yellow Incomparabilis. Color clear uniform yellow, perfect form, substance and quality. Has received more awards than almost any other Daffodil. Per doz., \$2.00; 100, \$15.00.

Lucifer (New). Long, white segments, long narrow cup, color intense glowing orange-scarlet. Splendid garden plant, as color lasts well in the sun. Per doz., 90c; 100, \$6.00; 1,000, \$55.00.

Sir Watkin. A well-known daffodil, excellent for large plantings, or growing in pots. Full perianth of pure yellow with large rich golden trumpet. Large size, per doz., 90c; 100, \$6.00; 1,000, \$55.00. Mammoth bulbs, per doz., \$1.30; 100, \$8.50; 1,000, \$80.00.

Will Scarlet. Fiery orange-red cup, very broad and wide open. Per doz., \$2.75; 100, \$20.00.



NARCISSUS VICTORIA
Cream-White Perianth, Rich Yellow Trumpet.



TYPE OF NARCISSUS POETICUS

Leedsii Narcissus

ALL have white perianths with white or sulphur trumpets. Most beautiful classes for cutting of all daffodils.

Duchess of Westminster. A most refined and graceful flower, with a large white spreading perianth, and long pale canary cup, which later passes to pure white. Per doz., \$1.00; 100, \$6.50; 1,000, \$60.00.

Evangeline. Pure white perianth, lemon yellow cup. Per doz., \$1.10; 100, \$7.00; 1,000, \$65.00.

Lord Kitchener. Large, snow white perianth; big crown of palest primrose elegantly fluted at the brim. A perfect flower. Per doz., \$3.50; 100, \$25.00.

Mrs. Langtry. A remarkably free-flowering variety, broad white perianth, and white cup opening pale primrose. Valuable for naturalizing. Per doz., 65c; 100, \$4.50; 1,000, \$40.00.

White Lady. A giant-flowering variety resembling a White Sir Watkin. Large, broad, pure white perianth and a bold frilled cup of pale citron passing to white. Per doz., 90c; 100, \$6.00; 1,000, \$55.00.

Star Narcissi

TO THIS class belong the most interesting of all Narcissi, including the Barri, Burbidgei and Englehearti (Flat Trumpet) sorts. Their pedigree is similar to the Incomparabilis type, but they inherit more of the Poeticus character in having the cups less than one-third of the length of the perianth segments (petals) and more of the red parent blood suffused through the cup. These are usually tipped red, or entirely orange-scarlet, and make dainty flowers for pot culture, or nooks in the garden.

Parcel Post. Reckon postage at 1 lb. per dozen bulbs; 7 lbs. per 100. Add postage to your remittance.

Albatross. Perianth white cup pale citron-yellow, frilled edged orange-red. Per doz., 90c; 100, \$6.00; 1,000, \$55.00.

Conspicuous. A flower of exquisite beauty, unexcelled for cutting; large, broad spreading perianth, broad, short cup conspicuously edged bright orange-scarlet. Lasts long in water. Per doz., 80c; 100, \$5.50; 1,000, \$50.00.

Small Cupped or Star Narcissi—Continued.

Glitter (Yellow Poeticus). A very charming flower. May well be described as a Poeticus with a clear, soft yellow perianth, the segments broad and overlapping, expanded short cup, beautifully edged with bright scarlet. Per doz., \$1.00; 100, \$6.50; 1,000, \$60.00.

Incognita. A beautiful flower, with large white perianth, large, flat cup of a glowing orange-apricot color, margined cinnamon-buff. One of the finest of recent introductions. Per doz., \$2.75; 100, \$20.00.

Red Beacon. Perianth is ivory-white, broad and of great substance, slightly shaded sulphur at base, cup prettily fluted and of the most intense fiery orange-red. Per doz., \$3.50; 100, \$25.00.

Narcissus Poetaz

BY CROSSING Poeticus and Polyanthus varieties, growers have succeeded in obtaining this perfectly hardy strain of bunch-flowering Narcissus. They do well planted in pots for winter flowers.

Parcel Post. Reckon postage at rate of 1 lb. per dozen bulbs; 7 lbs. per 100. Add postage to your remittance.

Alsace. Petal pure white with yellow eye; when bursting into flower the eye is slightly edged reddish. Per doz., \$1.00; 100, \$6.50; 1,000, \$60.00.



TYPE OF POETAZ NARCISSI

Aspasia. Perianth pure white, with yellow eye. Large flowers, grows 24 inches, 3 to 4 flowers on a stem. Per doz., \$1.00; 100, \$6.50; 1,000, \$60.00.

Elvira. Pure white with yellow eye, large flower of remarkably good substance; very long stemmed, 3 to 4 flowers on a stem. Per doz., \$1.00; 100, \$6.50; 1,000, \$60.00.

Klondyke. Perianth yellow, with deep golden eye; one of the deepest yellows. Trusses bring 6 to 7 flowers. Per doz., \$1.20; 100, \$7.50; 1,000, \$70.00.

Laurens Koster. Perianth white, cup light orange yellow. Per doz., \$1.10; 100, \$7.00; 1,000, \$65.00.

Triumph. Pure white perianth, with deep yellow eye; the largest flowers of this section, resembling Narcissus Bazelman Major, 3 to 4 flowers on a stem. Per doz., \$1.10; 100, \$7.00; 1,000, \$65.00.

Poeticus Narcissus

THE pure white perianth and all red or picoteed cup and delicious perfume peculiar to itself makes this one of the most popular of all Narcissi. Millions of these are annually forced for the world's great cut flower markets, and the better, large-flowered, newer types always receive prominence in the choicest corners (usually shady) of the better gardens, and in pots or pans in the best homes and conservatories.

Woodland border and brinks of streams or ponds can also be made peculiarly picturesque when liberal plantings of these unfold their whiteness to the April breezes.

Parcel Post. Reckon postage at rate of 1 lb. per dozen bulbs; 7 lbs. per 100. Add postage to your remittance.

Glory of Lisse. Much better than Poeticus Grandiflorus, pure white, yellow cup, very large. Per doz., 90c; 100, \$6.00; 1,000, \$55.00.

Horace. Snow-white perianth, dark red cup. Per doz., \$2.00; 100, \$15.00.

King Edward VII (Almira). Magnificent large flowers with broad, round petals, a glistening white; the yellow cup is edged deep red; very early-flowering variety. Per doz., \$1.00; 100, \$6.50; 1,000, \$60.00.

Poeticus (Common Pheasant's Eye). The Narcissus for garden planting; pure white with scarlet-edged cup or eye. Fine for naturalizing, being hardy and increases readily in numbers; late. Per doz., 55c; 100, \$3.50; 1,000, \$32.00.

Ornatus. A much improved form of the ordinary Poeticus, producing larger flowers and appearing two weeks earlier; for this reason they are especially adapted for forcing and make a splendid cut-flower. Large bulbs, per doz., 55c; 100, \$3.50; 1,000, \$32.00. Mammoth bulbs, per doz., 75c; 100, \$5.00; 1,000, \$45.00.

NARC.
INCIGNITA



PAPER WHITE GRANDIFLORA
(Growing in Gravel)

Water-Flowering Narcissi

THESE beautiful and fragrant flowers may be grown in bowls, in fibre and water or gravel in water. They may also be forced in soil in pots or window boxes. Their tall spikes of bloom bear from six to one dozen flowers each. The pure white petals and gold cups of some varieties, the yellow with deep orange cups of others and the self whites and yellows render them great favorites. They are not quite as hardy as the other types of Narcissus and therefore should be carefully protected in cold climates when grown in the garden.

If by PARCEL POST. 12 bulbs weigh 3 lbs.; 50, 10 lbs. Add postage at zone rates.

Paper White Grandiflora

LARGE-FLOWERING—More vigorous and earlier than the old Paper White, producing purest snow-white flowers of large size and good substance. This Narcissus does splendidly when grown in bowls of water and pebbles or moss the same as Chinese Narcissus.

| | Doz. | 100 | 1000 |
|--------------------------------|--------|--------|---------|
| Medium Bulbs, 12-13 ctns. | \$0.40 | \$2.75 | \$25.00 |
| Fancy Selected Bulbs, 13 ctns. | .50 | 3.50 | 30.00 |
| Mammoth Bulbs, 14 ctns. | .60 | 4.00 | 35.00 |
| Jumbo Bulbs, 15 ctns. | .75 | 5.00 | 45.00 |

Double Narcissi

THESE old-fashioned daffodils are still very popular, and though they lack the sturdiness of some of the single varieties as bedders, the "Phoenix" varieties have a delightful fragrance and are excellent for cutting, while the old Von Sion has no equal of its class for potting or forcing.

If by Parcel Post, 12 Mother bulbs weigh 3 lbs.; 50, 10 lbs. Other sizes, 12 bulbs, 2 lbs; 50, 7 lbs.

Alba Plena Ordorata—The well-known double white, sweet scented form of Poeticus; sometimes called the gardenia-flowered Narcissus. Late-flowering, and will not force. Best suited for beds or naturalizing.

Orange Phoenix (Eggs and Bacon) white and orange.

Sulphur Phoenix (Codlins and Cream), white and sulphur-yellow. One of the best for cutting and unexcelled for funeral work. As this bulb generally throws two to three flowers, it is a profitable variety to grow.

The Pearl. Beautiful large white flowers with sulphur-white center; very striking. Large bulbs.

VON SION, the common Double Yellow Daffodil Mother Bulbs. (Jumbo Size.) The bulbs are extra large in size, and often give three to five flowers.

VON SION XXX Mammoth Double-Nosed Bulbs, largest and finest roots our growers can select. Each bulb will bring two or more flowers.

VON SION, Fancy Selected Bulbs.

| | Doz. | 100 | 1000 |
|--------------------------|--------|--------|---------|
| Alba Plena Ordorata | \$0.65 | \$4.50 | \$40.00 |
| Orange Phoenix | .90 | 6.00 | 55.00 |
| Sulphur Phoenix | .90 | 6.00 | 55.00 |
| The Pearl | 1.50 | 10.00 | 95.00 |
| VON SION | 1.30 | 8.50 | 80.00 |
| VON SION XXX | 1.00 | 7.00 | 65.00 |
| VON SION, Fancy Selected | .75 | 5.00 | 45.00 |

True Jonquils—Narcissi

JONQUILS are noted for their graceful, sweet-scented flowers, in or out-of-doors. They thrive well in a moist, shady position in borders, and make splendid edgings to beds of some of the taller

Narcissi. For indoor decoration three or four bulbs should be grown in a four or five-inch pot. Add postage at zone rates. 12 bulbs, 1 lb; 100, 7 lbs.

| | Doz. | 100 | 1000 |
|---|--------|--------|---------|
| Double. Fragrant. Rich golden-yellow, fragrant flowers, usually two on a stem. | \$0.60 | \$4.25 | \$38.00 |
| Single. | .55 | 3.50 | 32.00 |
| Rugulosus. Giant-flowered, wrinkled cup, fine for cut flowers, extra fine forcing. | .65 | 4.50 | 42.00 |
| Rugulosus Plenus. Double yellow flowers on tall graceful stems. Sweetly perfumed. | .75 | 5.00 | 45.00 |

VAUGHAN'S PREPARED FIBRE

For growing Bulbs in Bowls without drainage.

Per quart, 10c; 3 quarts, 25c; per peck, 60c; per bushel, \$2.00.

Bowls for Growing Bulbs Indoors

See page 19 for Special Offers of Bulbs for Pots and Bowls

These J. C. V. earthenware bowls are made of hard-fired pottery; colored over a white body, which brings out highly finished colors, green, blue, pink, and black. They are perfectly adapted to indoor bulb culture, either for growing Paper White Narcissi and Chinese Lillies in gravel and water, or numerous bulbs that can be grown in our Prepared Fibre.

| J. C. V. Style | | | | F. L. style, same shape as J. C. V., in Matt-Green, Blue or Green Glaze Finish | | | |
|----------------|--------|------|--------|--|--------|------|--------|
| Diam. | Wt. | Pkd. | Each | Diam. | Wt. | Pkd. | Each |
| 5-inch | 2 lbs. | | \$0.45 | 5-inch | 2 lbs. | | \$0.40 |
| 6-inch | 3 lbs. | | .55 | 6-inch | 3 lbs. | | .50 |
| 7-inch | 4 lbs. | | .90 | 8-inch | 4 lbs. | | .90 |



CRYSTAL GLASS BOWL

| Crystal glass same shape as J. C. V. | | | | Glass colored in green, blue yellow and coral. | | | |
|--------------------------------------|--------|------|--------|--|--------|------|--------|
| Diam. | Wt. | Pkd. | Each | Diam. | Wt. | Pkd. | Each |
| 5-inch | 2 lbs. | | \$0.25 | 5-inch | 2 lbs. | | \$0.50 |
| 6-inch | 3 lbs. | | .35 | 6-inch | 3 lbs. | | .60 |
| 7½-inch | 4 lbs. | | .50 | 7½-inch | 4 lbs. | | .85 |

Gravel, such as is used with above, 5c per lb. 5 lbs., 20c. 10 lbs., 35c.

For Parcel Post Delivery of above, add postage at zone rates.

NOTE—Not responsible for breakage if bowls are to be sent via Parcel Post.



NARCISSUS VON SION
(Double Daffodil)

J. C. V. STYLE (Round Pottery)

Amaryllis

Of all bulbs which the amateur can grow successfully indoors, the Amaryllis is at once the largest, most beautiful, surest to flower and most easily handled. Our new hybrids, especially, are so gorgeous in size and coloring as to amaze those not familiar with them. From a single stem, spring from one to three lily-like flowers, six to eight inches in diameter. So vigorous are the bulbs that they will blossom if stood on a table in a warm room, but it is better to grow them in pots.

They thrive best in a compost of two-thirds good garden loam or loam from an old pasture, with one-third leaf mold, to which should be added a little sand. The time to start the bulbs is from January to the end of April, though if wanted in bloom during the winter months, they can be potted up in October. They require temperature of 50 to 55 degrees, and if to be forced it should be raised ten degrees.

The size of the pot depends on the variety and size of bulb. A six-inch or seven-inch pot will accommodate one bulb of most varieties, though some of the "monster" bulbs require as large as a 10-inch or 12-inch pot. Place only one bulb in each pot, covering it as far as the neck or upper narrow part. Water sparingly at first until the flower shoots begin to appear. Some growers keep them in the dark until the flower stems are four or five inches long, and then bring them to the light, but this is not necessary where forcing is not intended.

After flowering they should be placed in a warm house, or warm window, or set outside in sand or cinders and watered every day, (sometimes twice a day) until the end of August when water should be gradually withheld and the bulbs allowed to go to rest. In September or October the pots should be laid on their sides under the greenhouse stage or outdoors against a shady fence wall.

BELLADONNA MAJOR. Fall bloomer, very free and fragrant. Flowers which are a lovely shell-pink color, are borne on stems 2 to 2½ feet high. Large Bulbs. Each, 25c; per doz., \$2.60; 100, \$20.00.

Equestre. Orange scarlet. Each, 25c; doz., \$2.60; 100, \$20.00.

JOHNSONI. Has immense trumpet-shaped flowers, which measure 6 to 8 inches across, are borne on strong fleshy spikes, and are rich, deep velvety crimson, each petal having a broad white stripe contrasting beautifully with the deep red color. Each, 35c; doz., \$3.50; 100, \$25.00.

VAUGHAN'S NEW HYBRIDS. One of the finest strains of Amaryllis we have yet seen, raised by an eminent grower whose entire stock we have purchased. Flowers are immense, borne mostly two and three to a stem, in an amazing and beautiful range of colors, blended, splashed and striped in a manner not seen in other strains. Each, 60c; doz., \$6.00; 100, \$45.00.

Anemone (Windflower)

The varieties offered below are charming hardy flowers, and are becoming better known as a garden flower. Both double and single are equally desirable, and no garden should be without them. They are suitable for pot or border culture, and when planted in masses are most effective. They succeed best in a light, rich, well drained loam. Plant in November, or as soon as the ground can be worked in the spring. If planted in the autumn they should be covered with leaves, straw or long manure on the approach of winter. For pot culture, fill with any rich, porous compost, with good drainage, planting 4 roots in a 5-inch pot; place in a cold frame, or any moderately cool situation, giving very little water until the plants appear, then remove to the greenhouse or sitting room.

Coronaria Mixed. Doz., \$1.00; 100, \$7.50.

Calla (Richardia)

White Calla Lily. (Aethiopica). A well-known plant of easy culture for winter bloom, and makes a handsome house or window plant. To aid profuse blooming keep dormant from the middle of June until the last of September; pot on receipt in good, rich soil, using 6 to 8-inch pot, give light and heat in abundance. Both foliage and flowers are attractive in this desirable winter bloomer. If by PARCEL POST, add postage at Zone Rates.

| | Each | Doz. | 100 |
|---|--------|--------|---------|
| First Size (1¼-1½ inch); weight, dozen, 1 lb. | \$0.15 | \$1.50 | \$10.00 |
| Select Size (1½-2 inch); weight, dozen, 2 lbs. | .30 | 3.00 | 20.00 |
| Mammoth (2-2½ inch); weight, dozen, 3 lbs. | .45 | 4.50 | 35.00 |

Yellow Calla. (Elliottiana). New and beautiful variety; same habit of growth as ordinary white Calla; flowers same size and shape, rich, clear, lustrous golden-yellow; foliage dark green, with translucent creamy spots, strong bulbs.

| | Each | Doz. | 100 |
|------------------------------|------|------|-------|
| First Size (1¼-inch) | .20 | 2.00 | 15.00 |
| Select Size (1½-inch) | .30 | 3.00 | 22.00 |
| Mammoth (2-inch) | .45 | 4.50 | 30.00 |

Chinese or Sacred Lily

Also Called "Joss Flower."

A species of Polyanthus Narcissus introduced from China. The bulbs are large, measuring from 12 to 18 inches in circumference, and throw up from five to 10 flower-spikes, bearing clusters of large, perfect, waxy white blossoms, with yellow center; of a most delicious fragrance. These may be grown in pots, but are most successful when cultivated in water the same as in China. A dozen bulbs planted at intervals in bowls with enough gravel to hold them upright will give a profusion of bloom during the winter months. In order to get best results it is advisable to cut two or three slits half an inch deep, up and down the sides of the bulbs near the top; this enables the weak shoots to burst through the tough outer layer.

Imported Select Bulbs. Each, 20c, postpaid; per doz., \$1.50; 100, \$10.00.

Mammoth. Each, 25c postpaid; per doz., \$2.00; 100, \$15.00.

American Crown Select. Each, 15c; per doz., \$1.50; 100, \$10.00.

AMARYLLIS—New Hybrids



Calochortus or Mariposa Tulip

These famous California flowers possess much delicacy and brilliancy of coloring. They resemble a tulip in shape, and are of many colors, shades and markings. Mixed, doz., 60c; 100, \$4.00, postpaid; 1000, \$35.00, postpaid.

Chionodoxa (Glory of the Snow)

Can be Imported Under Quarantine 37, Jan. 1, 1923, to Jan. 1, 1926, only.

The Chionodoxa is one of our loveliest Spring flowers, and when established its sheets of blue in very early Spring are a great attraction in the garden. It should be largely used in borders and dotted over bulb beds, also massed on rockwork. Once planted it comes up year after year, the flower spikes increasing in size and beauty. Excellent in pots. Prices include postage.

Lucillae. Bright blue with large clear white center. Large cultivated bulbs. Doz., 60c; 100, \$4.00; 1000, \$35.00.

Sardensis. Intense deep blue. Large cultivated bulbs. Each, 60c; 100, \$4.00; 1000, \$35.00.

Vaughan's Giant Freesias

THESE are well known for their delightful fragrance, the new colored ones which we offer, adding a new charm to the class. They should be potted in September and stood outside until the approach of frost, then taken inside to the conservatory or a sunny, airy window, where they will flower freely from January onwards. Plant early to secure good roots. Dozen and 100 prices include postage.

VAUGHAN'S PURITY. Flowers are a magnificent snowy-white, of very large size and great fragrance. One bulb will throw three to five flower-heads, each of which will have from eight to nine buds of the finest type.

| | Doz. | 100 | 1000 |
|------------------|--------|--------|---------|
| ½ inch flat..... | \$0.30 | \$1.50 | \$10.00 |
| ½ to ¾ inch..... | .40 | 2.00 | 15.00 |
| ¾ to 1 inch..... | .55 | 3.00 | 25.00 |

Fischerii

Finest, largest, purest and most fragrant Freesia yet introduced. The flowers are very large, measuring two inches across; more like Lilies than Freesias in size and purity of color; rarely is a trace of yellow seen.

Per doz., \$1.25; per 100, \$8.00; per 1000, \$75.00.

New Named Colored Freesias

After many years devoted to crossing and hybridizing by an eminent grower, we are now able to offer these popular bulbs in the following distinct colors:

| | Doz. | 100 | 1000 |
|---|--------|--------|---------|
| Carmencita. Light orange-salmon..... | \$1.25 | \$8.00 | \$75.00 |
| Carrie Budau. Lavender-pink, larger flower than General Pershing..... | 1.25 | 8.00 | 75.00 |
| General Pershing. Lavender-pink, yellow lip somewhat of a bronze cast..... | .75 | 5.00 | 40.00 |
| June Michelsen. Large flowering deep rose-pink with blush throat, one of the best..... | 1.25 | 8.00 | 75.00 |
| Olivette. Bright carmine-red with light yellow throat, very profuse bloomer..... | 1.25 | 5.00 | 75.00 |
| Viola. Violet blue..... | .75 | 5.00 | 40.00 |
| Yellow Prince | 1.25 | 8.00 | 75.00 |
| Rainbow Mixed. (Our own mixture)..... | .60 | 4.00 | 35.00 |



Vaughan's Crocus

SPRING-FLOWERING VARIETIES

ONE of the earliest flowers to open in Spring, the Crocus makes an effective show when planted in masses or where three or four rows are arranged in a border. They are perfectly hardy and can be left in the ground for several years without being disturbed. An effective method of planting is to scatter them over the lawn by digging up a small piece of sod here and there and placing one or two bulbs in each spot. This gives a pretty effect in early spring, and the tops can be cut along with the grass safely when first mowing is made. The large-flowering named varieties are ornamental when flowered in pots six or eight bulbs in 5-inch size. It is a mistake to plant Crocuses too deeply, an inch of covering being quite sufficient, anything deeper may cause them to fail to bloom.

Dozen price includes postage. 100 bulbs weigh 3 lbs.

| | |
|---------------------------------------|---------------------------------------|
| Albion, blue, striped white. | Mont Blanc, pure white. |
| Baron von Bruno, dark blue. | La Majesteuse, white, violet stripe. |
| David Rizzio, deep purple. | Madam Mina, white striped. |
| Dandy, blue. | Sir Walter Scott, white, blue stripe. |
| Non Plus Ultra, blue, bordered white. | Mammoth White. |
| Othello, dark purple. | Select Yellow. |

Price of above, per doz., 35c; 100, \$2.00; 1000, \$18.00.

| | | | |
|---------------------|--------|--------|---------|
| | Doz. | 100 | 1000 |
| Mammoth Yellow..... | \$0.50 | \$3.00 | \$25.00 |

SPECIAL OFFER 17 "W": 10 each of 10 varieties of above. (100 bulbs) Our Selection, postpaid, for \$1.75.

Vaughan's "Pride of Holland" Strain of Named Crocus

THIS is a special large-flowered strain selected by one of our Dutch growers. They make larger bulbs and give larger blooms than ordinary named kinds, and are of special value for pot culture, the size of the blooms being very noticeable. We offer five colors. Please mention "Pride of Holland" strain when ordering.

| | |
|--|---------------------------|
| Sir Walter Scott, white, blue striped. | David Rizzio. |
| Queen Victoria, pure white. | King of Blues, fine blue. |
| Mammoth Yellow. | |

Price, per doz., 50c; 100, \$3.00; 1000, \$27.00.

Crocus—Vaughan's Special Mixture

Giant-Flowered Crocus

WE make this mixture from named sorts only, adding a liberal amount of the mammoth "Pride of Holland" sorts. For planting outdoor in lawns, along borders or amongst shrubbery this mixture cannot be excelled.

Doz., 25c; 100, \$1.40; 1000, \$11.00.

Eranthis Hyemalis (Winter Aconite)

Can be Imported Under Quarantine 37, Jan. 1, 1923, to Jan. 1, 1926, only.

EARLY in spring the golden blossoms of Winter Aconite look charming, resting on an emerald-green of cushion leaves, forming a striking contrast to the Snowdrop, Scilla and Chionodoxa. The foliage remains long after the flowers, making the plant especially valuable in moist situations, such as under trees. 8 inches high. (Price per dozen and 100 includes postage.)

Per doz., 60c; per 100, \$4.00; per 1000, \$35.00.

Fritillaria Imperialis (Crown Imperial)

Can be Imported Under Quarantine 37, Jan. 1, 1923, to Jan. 1, 1926, only.

THE Crown Imperial is a stately hardy border-plant, very effective in Spring when grouped in woodlands, wild gardens, orchards, etc. For forming bold groups in the permanent border or on lawns it is of great value, and should be allowed to remain undisturbed. To obtain the best results, plant the bulbs in September, in a good, deep loam. Each, 20c; per doz., \$2.00; per 100, \$15.00.

Fritillaria Meleagris

Can be Imported Under Quarantine 37, Jan. 1, 1923, to Jan. 1, 1926, only.

SINGULAR dwarf spring-flowering plants, bearing large pendant, bell-shaped flowers of various colors, yellow, white, black, purple, striped and splashed and checkered in the most curious way. Invaluable for pot culture and exceedingly pretty when grown in large groups in the garden border or wild dry situation. Per doz., \$1.00; per 100, \$7.00 (postpaid).

Leucojum Vernum

(Spring Snowflake)

PRETTY bulbous plants allied to the Snowdrop, but of much stronger and bolder habit, growing in rich soil from 1 to 2 ft. high, and producing freely beautiful large white flowers, distinctly tipped with green; excellent for cutting. When once planted, they take care of themselves. Should have a place in all hardy collections particularly, shady nooks; can be grown in pots. Per doz., 60c; per 100, \$4.00; per 1000, \$35.00.

Mourning Iris (Iris Susiana)

IMMENSE flowers, bluish tinted brown and covered with a network of fine lines. Flowers to the end of May and grows about a foot high.

Each, 35c; doz. \$3.50; 100, \$25.00. Mailing weight, doz., ¼ lb.

(For other Irises see pages 28-29.)

Muscari (Grape Hyacinth)

Can be Imported Under Quarantine 37, Jan. 1, 1923, to Jan. 1, 1926, only.

BEAUTIFUL little flowers for planting in masses either in shade or sun. Once planted, they multiply rapidly and send up flower stems by the score each year. Also adapted for growing indoors. Plant six bulbs in a five-inch pot. Perfectly hardy.

Blue. Pretty little spikes of dark blue flowers; an old garden favorite, used largely for small beds, edging, etc. Per doz., 60c; per 100, \$4.00; per 1000, \$35.00.

Pure White. This is a beautiful companion to the above, and they make a striking show when planted together. Price, per doz., 60c; per 100, \$4.00; per 1000, \$35.00.

Heavenly Blue. The best blue. Per doz., 60c; per 100, \$4.00; per 1000, \$35.00.

Oxalis

MOST of these Oxalis flower from October until Christmas, and later. Easily grown, requiring only a good, somewhat peaty soil, with considerable light, for their successful growth. Dozen and 100 prices include postage.

| | | | | | |
|---------------------|--------|--------|---------------------|--------|--------|
| Grand Duchess, Doz. | 100 | 1000 | Orand Duchess, Doz. | 100 | 1000 |
| White..... | \$0.50 | \$3.00 | Pink..... | \$0.50 | \$3.00 |
| Lavender..... | .50 | 3.00 | Yellow..... | .50 | 3.00 |

Bermuda Buttercup. Per doz., 50c; per 100, \$3.00; per 1000, \$25.00.

Ranunculus (Buttercup)

NOTHING produces a brighter or more gorgeous effect in June and July than beds of Ranunculus; the flowers are all good for cutting, and the culture is very simple. They thrive in any ordinary garden soil, but should have protection in spring from the late frosts and sharp winds. Plant outside latter end of March or early April, as soon as frost is out of the ground, or earlier in the hot bed if desired for early cutting. Plant in November for early spring bloom in frames. Set the tubers 3 or 4 inches apart, pressing them firmly into the soil, claws downwards, and cover them with sand, then with soil; keep the crown of the tubers two inches under the surface. During dry weather the plants should be given abundance of water.

French Mixed. Per doz., 75c; per 100, \$5.00; per 1000, \$45.00.

Snowdrops (Galanthus)

Can be Imported Under Quarantine 37, Jan. 1, 1923, to Jan. 1, 1926, only.

IN early spring there is nothing more beautiful than graceful blossoms of the Snowdrop. Beds and effects of passing beauty may be arranged with Snowdrops in the center, edged with Scilla Sibirica, or Chionodoxas. In beds of Tulips and Hyacinths, Snowdrops are very effective between the lines; they flower while these bulbs are just moving to the surface, and when the flowers are over there remains an elegant groundwork of green foliage.

Prices per doz. and 100 include postage.

Single. (Largest Bulbs). Doz., 60c; 100, \$4.00; 1000, \$35.00.

Double. (Largest Bulbs). Doz., 75c; 100, \$5.00; 1000, \$45.00.

Scillas (Squills or Wood Hyacinths)

Can be Imported Under Quarantine 37, Jan. 1, 1923, to Jan. 1, 1926, only.

AS edgings and masses in beds and borders, Scillas are most valuable, and produce a grand effect in flower and shrubbery borders, and are most valuable for wild gardens and woodlands, where they should be largely naturalized. They succeed in shady flower borders and bare shady places and odd corners which often have a desert-like appearance in the flower garden can by their use be rendered bright and cheerful. Prices per dozen and 100 include postage.

SIBIRICA (The Blue Squill). Bright blue, nothing more beautiful for edgings or pots in early spring, flowering with the Snowdrop. Height, 4 inches.

Mammoth Bulbs. Doz., 75c; 100, \$5.00; 1000, \$45.00.

CAMPANULATA. Large bells, clear blue, very erect in habit (15 inches). Doz., 65c; 100, \$4.50; 1000, \$40.00.

Alba. Pure white (12 in). Doz., 65c; 100, \$4.50; 1000, \$40.00.

Rosea. Fine rose (15 in). Doz., 65c; 100, \$4.50; 1000, \$40.00.

VAUGHAN'S EXHIBITION HYACINTHS



DUTCH ROMAN OR MINIATURE HYACINTHS

(Also called Cynthellas)

Splendid for growing in pots, pans or boxes. Although naturally small in size, they give very large spikes of bloom, considering the size of bulb, and are invaluable for forcing.

Single Red and Rose

Lady Derby, bright rose-pink.

Gertrude, clear rose.

La Victoria, brilliant dark pink.

Prices of above, per doz., 75c; 100, \$5.00; 1,000, \$45.00. Mailing weight, per doz., 2 lbs.

Single White

La Grandesse, snow-white.

L'Innocence, purest white.

Prices of above, per doz., 75c; 100, \$5.00; 1,000, \$45.00. Mailing weight, per doz., 2 lbs.

Single Blue

Grand Maitre, deep porcelain.

Queen of the Blues, light blue.

Prices of above, per doz., 75c; 100, \$5.00; 1,000, \$45.00. Mailing weight, per doz., 2 lbs.

FRENCH ROMAN HYACINTHS

These beautiful Hyacinths are indispensable to the florist in his fall and winter cut-flower work, while to the amateur they are among the most easily cultivated and most satisfactory of flowering bulbs. The white variety, if planted early in September and slowly forced, will bloom in November. The others require from two to three weeks longer.

Mailing weight, dozen, 2 lbs.

White, select size, per doz., \$2.00; 100, \$15.00.

Blue, per doz., \$1.50; 100, \$10.00.

Light Pink, per doz., \$1.50; 100, \$10.00.

Dark Pink, per doz., \$1.50; 100, \$10.00.

Hyacinths

Single-Named Varieties

INDOOR CULTURE

HYACINTHS IN POTS.—It is important in the pot culture of Hyacinths to have rich, light soil. If the bulbs are to be potted singly, 5-inch pots are the proper size. Cover the hole in the pot with a piece of broken pot, and over this place a layer of moss, which will keep the soil from clogging the drainage thus provided. Break off any florets which appear at the base of the bulbs, and, in potting, place each bulb so that its top shall be half an inch below the surface of the soil, and an inch below the rim of the pot. Use a 5-inch pot for single bulb or four in a 6-inch pot. Give a good watering and set away in a cool place, covering them with about 3 to 5 inches of coal ashes or sand. Let them remain here for eight or ten weeks, bringing them to the light as required.

HYACINTHS IN GLASSES.—The single varieties are, with a few exceptions, best adapted to this mode of culture. They produce finer flower spikes than the double. Fill the glass with clear soft water, so as to nearly touch the base of the bulb, putting a small piece of charcoal in each glass to keep the water pure and afford some nourishment. The filled glasses should be placed in a dry, cool, dark place, and kept there until the roots almost touch the bottom of the glass, when they may be exposed gradually to the light. Water must never be changed.

PARCEL POST.—Price, each, includes postage. Mailing weight, dozen 3 lbs. Add postage as per rates on inside front cover.

EXHIBITION HYACINTHS—Monster Bulbs

NOTE.—Plant in pots, ornamental bowls, or pans; or grow in water in Hyacinth glasses. Not suitable for outdoor cultivation.

We have arranged this year with one of our Dutch growers to select the very finest and largest bulbs he has, not of any variety, but of special kinds of superior quality, that will give huge spikes in some of the choicest colors obtainable. They are all single-flowered kinds in the following colors.

Red, Pink, White, Blush-White, Light and Dark Blue, and Yellow.

Each variety will be carefully packed and named.

Price, each, 30c; per doz., \$3.00; per 100, \$22.00.



Belgian

Hyacinth Glasses Tye Shape

We offer two styles of these glasses for growing Hyacinths in water. Belgian, and Tye Shape.

PRICES

| | Each. | Doz. |
|--------------------|--------|--------|
| Belgian. Tall..... | \$0.40 | \$4.25 |
| Tye Shape..... | .40 | 4.50 |

Not responsible for breakage in transit.



FIRST-SIZED HYACINTHS FOR GLASSES, POTS, ETC.

Numbers following names indicate time of flowering. No. 1's flowering together earliest, while 4's are latest.

Single Red and Rose

Cardinal Wiseman. 4, dark pink. Each, 22c; per doz., \$2.20; 100, \$16.00.

Garibaldi. 1, brilliant red, early. Each, 22c; per doz., \$2.20; 100, \$16.00.

General de Wet. 2, light pink. Each, 22c; per doz., \$2.20; 100, \$16.00.

Gertrude. 3, rose-pink, medium early; one of the best pot varieties. Each, 20c; per doz., \$2.00; 100, \$15.00.

Gigantea. 2, light pink bells, compact spike; medium only. Each, 20c; per doz., \$2.00; 100, \$15.00.

La Victoria. 3, brilliant dark pink. Each, 22c; per doz., \$2.20; 100, \$16.00.

Lady Derby. 1, delicate pink, early forcer. Each, 20c; per doz., \$2.00; 100, \$15.00.

Moreno. 2, bright pink, broad spike, early. Each, 20c; per doz., \$2.00; 100, \$15.00.

SINGLE RED AND ROSE—Continued.

Marconi. 2, bright pink. Each, 22c; per doz., \$2.20; 100, \$16.00.

Queen of Pinks. 2, choice pink. Each, 25c; per doz., \$2.50; 100, \$17.00.

Roi des Belges. 3, bright scarlet, early. Each, 20c; per doz., \$2.00; 100, \$15.00.

Single Blue and Purple

Bismark. 2, bright blue. Each, 25c; per doz., \$2.50; 100, \$17.00.

Captain Boynton. 2, sky-blue, large spike. Each, 22c; per doz., \$2.20; 100, \$16.00.

Enchantress. 3, porcelain-blue. Each, 22c; per doz., \$2.20; 100, \$16.00.

Dr. Lieber. Dark blue. Each, 22c; per doz., \$2.20; 100, \$16.00.

Grand Maitre. 2, dark porcelain, medium early. Each, 20c; per doz., \$2.00; 100, \$15.00.

Grand Lilas. 2, early, very handsome. Each, 22c; per doz., \$2.20; 100, \$16.00.

Johan. 2, light blue, large bells. Each, 20c; per doz., \$2.00; 100, \$15.00.

King of the Blues. 4, dark, medium only. Each, 20c; per doz., \$2.00; 100, \$15.00.

Queen of the Blues. 4, light fine spike. Each, 20c; per doz., \$2.00; 100, \$15.00.

Schotel. 2, light blue, large spike. Each, 22c; per doz., \$2.20; 100, \$16.00.

Vaughan's Rainbow Collections

Single Named Hyacinths for Window Garden

Lady Derby, Pink Grand Maitre, Lt. Blue
Roi des Belges, Red L'Innocence, White
King of the Blues, Dark Blue
King of the Yellows, Yellow

PREPAID PRICES—

| | | |
|---------------------------------------|--------|----------|
| A—6 Bulbs, one of each variety..... | \$1.00 | Postpaid |
| B—12 Bulbs, two of each variety..... | 1.85 | |
| C—24 Bulbs, four of each variety..... | 3.50 | |
| D—36 Bulbs, six of each variety..... | 5.25 | |

FIRST SIZE—Continued.

Single Yellow and Orange

Buff Beauty per doz., \$2.20; 100, \$16.00.
Orange-yellow. Each, 22c;
City of Haarlem. 3, golden-yellow. Each,
22c; per doz., \$2.20;
100, \$16.00.
King of the Yellows. 4, extra medium
early. Each, 20c;
per doz., \$2.20; 100, \$16.00.
Yellow Hammer. 3. Each, 20c; per doz.,
\$2.20; 100, \$16.00.

Single White and Blush

Albertine. 2, pure white, early. Each,
20c; per doz., \$2.00; 100,
\$15.00.
Arentine Arendsen. Snow white. Each,
25c; per doz., \$2.50;
100, \$17.00.
General Vetter. Blush-white. Each, 20c;
per doz., \$2.00; 100,
\$15.00.
Grandeur a Merveille. 2, blush late.
Each, 20c; per
doz., \$2.00; 100, \$15.00.

SINGLE WHITE AND BLUSH—Continued.

Hein Roozen. 2, snow-white. Each, 22c;
per doz., \$2.20; 100, \$16.00.
La Grandesse. 3, pure white, large bells,
splendid spike. Each, 22c;
per doz., \$2.20; 100, \$16.00.
L'Innocence. 2, pure white, compact truss
on short stem, fine for pots.
Each, 20c; per doz., \$2.00; 100, \$15.00.
Madam Van der Hoop. 3, large spike,
late. Each,
22c; per doz., \$2.20; 100, \$16.00.

Hyacinths for Beds, Borders, Porch and Window Boxes

Named Bedding Hyacinths

GARDEN CULTURE.—Bulbs may be planted from September to December, in any good, well drained garden soil, which has previously been well enriched and dug from 12 to 18 inches. The beds should be raised several inches above the surrounding ground, to prevent lodgments of water which causes bulbs to rot. Bulbs should be set 6 inches apart and 6 inches deep. Before the ground freezes, cover the bed with material, such as leaves, straw, pine branches, etc., to a depth of 4 inches. Do not uncover too early in Spring.

PARCEL POST—Add postage for these at rate of 2 lbs. weight per dozen bulbs. Price each includes postage.

Single Red and Rose

Cardinal Wiseman, dark pink.
Garibaldi, brilliant red, early.
General de Wet, light pink.
Gertrude, rose-pink, medium early; one of
the best pot varieties.
— **Gigantea,** light pink bells, compact spike;
medium early.
La Victoria, brilliant dark pink.
Lady Derby, delicate pink, early forcer.
Moreno, bright pink, broad spike, early.
Marconi, bright pink.
Queen of Pinks, choice pink.
Roi des Belges, bright scarlet, early.
Prices of above, per doz., \$1.40; 100, \$10.00.

Single Yellow

Buff Beauty, orange-yellow.
City of Haarlem, golden-yellow.
King of the Yellows, extra medium early.
Yellow Hammer.
Prices of above, per doz., \$1.40; 100, \$10.00.

Single White

Arentine Arendsen, snow-white.
Albertine, pure white, early.
Angenis Christina, pure white, early.
General Vetter, blush-white.
Grandeur a Merveille, blush late.
Hein Roozen, snow-white.
La Grandesse, pure white, large bells, splen-
did spike.
L'Innocence, pure white, compact truss on
short stem, fine for pots.
Madame Van der Hoop, large spike, late.
Queen Emma, waxy-white.
Prices of above, per doz., \$1.40; 100, \$10.00.

Single Blue

Bismark, bright blue.
Captain Boynton, sky-blue, large spike.
Enchantress, porcelain-blue.
Grand Maitre, dark porcelain, medium early.
Grand Lilas, early, very handsome.
Johan, light blue, large bells.
King of the Blues, dark, medium early.
Lord Balfour, lilac-rose.



SINGLE BLUE—Continued.

Marie, dark, large spike, medium early.
Queen of the Blues, light fine spike.
Schotel, light blue, large spike.
Prices of above, per doz., \$1.50; 100, \$11.00.

"Fancy" un-named Hyacinths

THIS is a grade of Mixed Hyacinths which we annually import, paying the highest prices known for mixed varieties. The bulbs measure from 16 to 17 centimeters in size, are plump and sound, selected from the best named varieties.

| | | | | |
|------------------------|--|---------|----------|--|
| Blue, all shades..... | Mailing weight per dozen, 2 lbs.; price, | | | |
| Light Blue..... | | | | |
| Red and Rose..... | | | | |
| Rose..... | | | | |
| Pure White..... | Per Doz. | Per 100 | Per 1000 | |
| White, all shades..... | \$1.25 | \$7.50 | \$70.00 | |
| Yellow..... | We offer these fancy mixed bulbs in singles only, these being much more desirable. | | | |
| Mixed, All Colors..... | | | | |

"Medium" un-named Hyacinths

Separate Colors

Single or Double Varieties

GOOD size flowering bulbs 15 centimeters (5 3/4 in.) and upward, circumference, much larger than the Mixed Hyacinth bulbs usually sent out.

| | | | | |
|------------------------|--|---------|----------|--|
| Blue, all shades..... | PARCEL POST—Add postage for these at rate of 2 lbs. per dozen bulbs. | | | |
| Light Blue..... | | | | |
| Red and Rose..... | | | | |
| Rose..... | | | | |
| Pure White..... | Per Doz. | Per 100 | Per 1000 | |
| White and Blush..... | 90c | \$6.00 | \$58.00 | |
| Yellow..... | Please mention whether Single or Double varieties are desired. | | | |
| Mixed, All Colors..... | | | | |

COLLECTIONS FOR POTS OR BOWLS

All collections our selection of Varieties

| | | |
|--|--|--|
| (A) HYACINTHS, First { | 12 bulbs; 4 kinds; 3 of each, separate, \$1.85 | |
| | Double quantities, \$3.50 | |
| (B) HYACINTHS, Standard { | 12 bulbs; 4 kinds; 3 of each, separate, 1.25 | |
| | Double quantities, \$2.35. | |
| (C) HYACINTHS, "Miniatures" { | 12 bulbs; 4 colors; 3 of each, separate, .75 | |
| | Double quantities, \$1.40. | |
| (D) NARCISSUS, Large Trumpets { | 6 varieties; 3 of each; separate, 18 bulbs 1.25 | |
| | Double quantities, \$2.40. | |
| (E) NARCISSUS, Medium and Small Trumpets { | 6 varieties; 3 of each; separate, 18 bulbs, 1.00 | |
| | Double quantities, \$1.85. | |
| (F) TULIPS, (Early Single) { | 6 kinds; 3 of each; separate, 18 bulbs, .75 | |
| | Double quantities, \$1.40. | |
| (G) TULIPS, (Early Double) { | 6 kinds; 3 of each; separate, 18 bulbs, 1.25 | |
| | Double quantities, \$2.40. | |
| (H) TULIPS (Darwin) { | 6 varieties; 3 of each; separate; 18 bulbs, 1.00 | |
| | Double quantities, \$1.90. | |
| (J) CROCUS { | 6 varieties; 6 of each; 36 bulbs..... 1.00 | |
| | Half the quantity for 50c. | |

FOR GROWING IN BOWLS OF GRAVEL AND WATER

12 Hyacinths, Single, 3 Colors, for Glasses, \$1.85.
(K) PAPER WHITE NARCISSUS. 12 large bulbs, 60c.
(M) CHINESE NARCISSUS. Each, 20c; dozen, \$2.00.



LILIUM AURATUM

Lilium Longiflorum Giganteum—(Japanese Easter Lily)
Best grown indoors

Best of all lilies for indoor pot culture; bulbs planted when received, can be readily brought into bloom by Easter if kept in a warm room or greenhouse. Flowers are large trumpet-shape, pure white in color and of a delicious fragrance. Being perfectly hardy (if given a little protection), it is splendid for outdoor planting.

| | Each | Doz. | 100 |
|------------------------------------|--------|--------|---------|
| Select Size (7 to 9 inches)..... | \$0.35 | \$3.50 | \$25.00 |
| Mammoth Size (9 to 10 inches)..... | .65 | 6.00 | 40.00 |

Lilium Auratum**The Gold-banded Lily of Japan**

The most beautiful variety of all the lily family; should be in every garden. Flowers white, dotted crimson, with a clear golden band running through the center of each petal; very fragrant. A splendid lily for pots, or for planting out in the shrub or plant borders. In either way it is very handsome, its large flowers and delicious perfume makes it one of the most valuable of all. It is perfectly hardy with ordinary protection and suitable soil.

First Size (8 to 9 inches), each, 30c; doz., \$3.00; per 100, \$20.00

Mammoth (9 to 11 inches), each, 45c; doz., \$4.50; per 100, \$35.00

Jumbo (11-12 inches), each, 65c; doz., \$6.00; per 100, \$45.00

Auratum Platyphyllum

This is without a question one of the most wonderful lilies in cultivation. The leaves are very long and broad and the stems attain a height varying from 7 to 10 feet. The flowers are similar in color to Auratum, heavily spotted, but much larger, the petals more overlapping, and of greater substance. First Size (8 to 10 inches), each, 45c; doz., \$4.50.

Lilium Harrisii (True Bermuda Easter Lily)

Best grown indoors

This mammoth white Trumpet Lily, with flowers 4 or 5 inches long, is a splendid lily for winter forcing and flowering. Has large, handsome, trumpet-shaped flowers, pure white, and of a delicious fragrance; very free-flowering, the smallest size bulbs producing freely. Can be had in bloom indoors from January on. Order as soon as Catalogue is received.

7 to 9 inches, each, 40c; per doz., \$4.00; per 100, \$35.00

8 to 10 inches, each, 55c; per doz., 5.50; per 100, 40.00

9 to 11 inches, each, 75c; per doz., 7.50; per 100, 60.00

Lily of the Valley

Cold Storage.

For forcing. Very fragrant and producing in abundance. Plant about 25 pips in a 7-in. pot or pan, place in a warm temperature, 65° F. and shade from light until leaves and spikes are well developed then admit light gradually. Increase temperature to 75° or 80° if possible. An inverted pot over each potful answers admirably. This is the treatment for cold storage pips only. They bloom in from 18 to 21 days.

VAUGHAN'S PERFECTION PIPS (Ready in November).

Cold Storage, Per 100, \$6.00. **Fresh Pips**, Doz., \$1.00; 100, \$4.50.

Large Clumps. For outdoor planting, clumps are best to plant. They do best in a shady, moist place. We especially recommend the clumps for outdoors, as they give a quicker and better effect at less cost. Each, 65c postpaid.

Vaughan's

FOR color, fragrance, beauty and variety of form, nothing can equal these grand flowers; whether grown in pots or grouped in the hardy plant border, where their hardiness makes them so desirable, they are always an object of beauty, and by judicious selection one can have a continuous bloom from early summer until fall.

Note.—Most Lily Bulbs, being of late maturity, are not ready before October and November (the best time to plant them). Where the ground is liable to freeze up before the late lilies arrive, it should be mulched with six or eight inches of leaves or manure so the bulbs may be planted on arrival.

Lilium Harrisii and Candidum are ready now, all others in November.

Free pamphlet, "Naturalizing Lilies," ask for it with order.

Out door Culture.—When planting lilies out of doors, see that they have a well drained position, and where they will be shaded from every hot sun. Such places can usually be found around the shrub borders, and in the hardy plant border. Many varieties are termed "stemrooters" that is, they develop roots on the stem up to two or three inches from the ground. These roots are voracious feeders, and on them depend greatly the number and size of flowers. When they appear, the plant should receive a top dressing of good rich soil on which they can feed freely. (Continued top of page 21)

Lilium Candidum

(Madonna or Annunciation Lily). See Cut, Page 21.

This is one of the oldest, loveliest and best known lilies. Can only be planted in fall, ours is the thick petaled type, imported by us from Northern France. The flowers, of which there are three to twenty on each stem, are snow-white, with heavy yellow stamens and of the most delightful fragrance. It is hardy and will thrive in any ordinary soil, preferring plenty of light and air. Blooms in the open ground about June 20th. Orders, should, therefore, be mailed on receipt of this Catalogue.

| | Doz. | 100 |
|------------------------|--------|----------------|
| 18 to 20 ctms..... | \$0.20 | \$2.00 \$15.00 |
| 20 to 22 ctms..... | .25 | 2.75 20.00 |
| 22 to 24 ctms..... | .35 | 3.50 25.00 |
| 24 to 26 ctms..... | .45 | 4.50 35.00 |
| 26 ctms. and over..... | .60 | 6.00 |

Vaughan's
Lily Bulbs
are grown by

Experienced
Dependable
Growers



Spokane, Wash.,
Aug. 6, 1923.

Vaughan's Seed
Store, Chicago, Ill.

About two years
ago I sent for one
Auratum Platy-
phyllum bulb. It
has just bloomed
and is wonderful.

Yours truly,
Mrs. EMMA M.

GAREY.
1103 Chelan Ave.

We give away
a FREE
pamphlet on
"Naturalizing
Lilies"
with
each Lily order
when asked for

EASTER
LILIES

Lily Bulbs

Spade over the ground thoroughly to a depth of 18 inches before planting lilies and enrich it by adding equal portions of leafmould, peat and rotten manure. Plant the bulbs 4 to 6 inches deep putting some sand under and around the bulbs, and after covering protect with six or eight inches of leaves or other litter, which must be removed in late spring.

April planting is advisable, if prevented planting the previous fall.

Indoor Culture.—Lilies should be potted immediately upon receipt, if intended for growing in pots or for forcing. In potting use a compost of fibrous loam and sweet decomposed leaf soil, with plenty of coarse sand or a mixture of good peat, loam, and sand, adding to the compost a few pieces of charcoal. See that the pot is well drained. The bulb should be set about half-way down in the pot and barely covered with soil, thus leaving room to top dress and fill the pot with more soil when stem-roots appear above the bulb. After potting, give a thorough watering and set outside in a cold frame or shady situation, then cover with ashes or long straw. After they have stood from three weeks to a month and thoroughly rooted, bring inside, in a temperature of about 66°; let the plants grow slowly under a bench or some other suitable place until about 6 inches high; then place on top of the bench. An occasional application of liquid cow manure, starting about six weeks before flowering time will stimulate the plant wonderfully. **Thorough rooting is essential. Lily Bulbs by Parcel Post. For postage Zone rates see inside front cover.**

| Size | 3 Bulbs Weigh | Dozen Weigh |
|---------------|---------------|-------------|
| 8-9 in..... | ½ lb. | 4-5 lbs. |
| 9-11 in..... | 1½-2 lbs. | 6-7 lbs. |
| 11-13 in..... | 2-3 lbs. | 9-10 lbs. |



LILIUM SPECIOSUM RUBRUM

Lilium Speciosum—Lance-leaved Lily

These lilies are probably the most popular of all, succeeding equally well in open border or in pots. When fully open, the petals curve gracefully on the flower stem, exposing the beautiful rose and crimson markings, which characterize the **Rubrum** and **Melpomene** types.

| | | | |
|----------------------------------|--------|----------|---------|
| Album —Pure white. | Each | Per doz. | Per 100 |
| First Size (8-9 in.)..... | \$0.35 | \$3.50 | \$25.00 |
| Mammoth (9-11 in.)..... | .45 | 4.50 | 35.00 |

Rubrum—White, spotted and rayed rosy-red. We consider this the most satisfactory of the Speciosum class.

| | Each | Per doz. | Per 100 |
|----------------------------------|--------|----------|---------|
| First Size (8-9 in.)..... | \$0.30 | \$3.00 | \$20.00 |
| Mammoth (9-11 in.)..... | .40 | 4.00 | 30.00 |
| 11-13 in..... | .65 | 6.00 | 45.00 |

Melpomene—White, spotted and splashed deep crimson

| | Each | Per doz. | Per 100 |
|----------------------------------|------|----------|---------|
| First Size (8-9 in.)..... | .30 | 3.00 | 20.00 |
| Mammoth (9-11 in.)..... | .40 | 4.00 | 30.00 |

Lilium Myriophyllum (New)

A New and very rare lily from China. The flowers are white, shading to yellow in the center, with a pink tinge on the outer edges. A strong grower, some 3 or 4 feet high. It is deliciously scented, and its extreme hardiness makes it a valuable lily for out door planting. Each, 50c; per doz., \$5.00.

Various Hardy Lilies "Each" and "dozen" prices include postage

| | Each | Doz |
|--|--------|--------|
| Brownii. Immense handsome trumpet-shaped flowers, 8 to 10 inches long. Pure white inside, brownish-fawn outside. Blooms in July. | \$0.50 | \$5.00 |
| Canadense. —(Meadow Lily.) Gracefully drooping, bell-shaped, red and yellow flowers typical of our northern meadows..... | .20 | 2.00 |
| Candidum —See page 20. | | |
| Hansoni. Flowers reddish orange, 8 to 12 in a cluster; petals thick and durable..... | .50 | 5.00 |
| Henryi. A new, rare, and very beautiful Lily from China. The flower stalks, 3 to 5 feet high, carry 5 to 8 large flowers each; apricot spotted brown..... | .50 | 5.00 |
| Elegans Mixed. A splendid assortment of this type..... | .20 | 2.00 |
| Krameri. Delicate rose-pink of elegant outline and graceful habit. Blooms in July..... | .35 | 3.50 |
| Pardalinum —(Leopard Lily). Rich scarlet and yellow, spotted rich brown..... | .20 | 2.00 |
| Superbum. The finest of the native Lilies. Flowers bright orange, spotted purple..... | .20 | 2.00 |
| Tigrinum Splendens. Very hardy native Lily; orange, spotted purple..... | .20 | 2.00 |
| Tigrinum Flore Pleno —(Double Tiger Lily). The well known double Tiger Lily. Rich orange blossoms, 4-foot..... | .20 | 2.00 |
| Umbellatum. Colors range from deepest red through all shades of crimson, rose, yellow, buff and apricot..... | .25 | 2.50 |



THE MADONNA LILY
LILIUM CANDIDUM

We supply 6 bulbs of a kind at dozen rate, 25 at 100 rate, and 250 at 1000 rate.

Plant
the Best

Vaughan's Grass and Farm Seeds

For Fall
Sowing

New Rosen Rye

We have been growing this new Michigan variety for several years and consider it a great advance over other sorts. From all parts of the country there are reports of yields 20 to 30 per cent heavier than the common variety. It is a four row, winter variety, introduced by the Michigan Agricultural Experiment Station. Our seed is our own growing in Michigan and certified.

Peck, 50c; bushel, \$1.40; 10-bu. lot \$12.50.
2-bu. grain bags, 45c each, extra. If shipped from New York, add 30c per bushel to these prices.

Common Rye

Our seed is a fine, clean, heavy yielding strain. Michigan-grown. Peck, 40c; bu., \$1.25; 10-bu. lot, \$11.00.

2-bu. grain bags, 45c each, extra. If shipped from New York add 30c per bushel to these prices.

WINTER VETCH (Also Called Hairy or Sand Vetch)

Should be sown early in fall. The best winter cover crop, especially fine for orchards. 10 lbs., \$2.65; bu., \$13.50; 100 lbs., \$22.00. Grain bags, 45c each, extra.

RED ROCK WHEAT (New)

Certified seed, our own growing in Michigan. An extra hardy red bearded sort, recently introduced by the Michigan Agricultural Station. A heavy yielder and in Michigan has proven even less liable to winter kill than Turkey Red.

Peck, 50c; bu., \$1.75; 10 bu., \$15.00.
2-bu. grain bags, 45c each, extra. If shipped from New York add 30c per bushel to these prices.

TURKEY RED WHEAT

Well bearded and very heavy. The bearded wheats are by far the hardiest of the winter sorts. The heads of the Turkey Red are of good size and the plants stool out well. Carefully re-cleaned. Prices by freight or express at purchasers expense. Peck, 50c; bu., \$1.75; 10 bu., \$15.00.

Grain bags, 45c each, extra. If to be shipped from New York add 30c per bushel to these prices.

New 10-110 Strain Put out by Illinois Experiment Station. Peck, 65c; bu., \$2.00; 10 bu., \$17.00; grain bags, 45c each, extra.

KLONDYKE WHEAT

A bald or smooth wheat, red chaffed, with fine amber grain. Has displaced the old standard Golden Chaff, where grown in comparison.

Peck, 50c; bu., \$1.75; 10 bu., \$15.00.
2-bu. grain bags, 45c each, extra. If to be shipped from New York add 30c per bushel to these prices.



HARVESTING ROSEN RYE ON OUR MICHIGAN FARM

CLOVERS, ALFALFA, TIMOTHY.



Brand—The highest market quality obtainable. We maintain our own seed laboratory. Every lot tested for germination and purity. Samples and analysis on request. Subject to market changes.

| | 10 lbs. | Bu. | 100 lbs. |
|-------------------------------|---------|---------|----------|
| Alfalfa, Dakota Dry Land..... | \$3.00 | \$15.80 | \$25.00 |
| " West. Grown Fancy..... | 2.70 | 14.10 | 23.00 |
| " Grimm or Everlasting..... | 5.00 | 27.30 | 45.00 |
| Clover, Medium Red Fancy..... | 2.60 | 13.50 | 22.00 |
| " Mammoth Red Fancy..... | 2.70 | 14.00 | 23.00 |
| " Alsike Fancy..... | 2.60 | 13.50 | 22.00 |
| " Crimson..... | 2.10 | 10.50 | 17.00 |
| " Sweet or Bokhara..... | 1.80 | 9.30 | 15.00 |
| Timothy, Fancy..... | 1.20 | 4.05 | 8.50 |

Grain bags 45c each extra, F.O.B. Chicago. Add one dollar per hundred pounds if ordered from New York. Above prices represent values as this catalog went to press. Market is unsettled. Write for latest prices and figures on medium grades.

For Fall
Planting

Vegetable Seeds and Roots

For Greenhouse,
Frame or Garden

Winter Onion Sets

These are used for producing green onions for early spring use. No large bulb is formed, the sets being produced on the top of the stalk. Very productive, perennial and perfectly hardy. Planted in the fall to depth of 3 to 4 inches. Pkt., (½ lb.) 15c; qt., (1 lb.) 25c; pk., (7 lbs.) \$1.10; ½ bu., (14 lbs.) \$1.90; bu., (28 lbs.) \$3.50.

WHITE WELSH ONION. For green onions. Hardy with slight protection. Pkt. 10c; ½ oz., 20c; oz., 30c; ¼ lb., 85c; lb., \$2.75.

Cucumber—English Frame Varieties

Rollison's Telegraph. Greenhouse, English grown. Pkt., 50c.
Vaughan's Prolific Forcing. Pkt., 25c.

GREENHOUSE AND FRAME VARIETIES

The Vaughan. (The best American Cucumber). Darker, thinner, longer and more prolific than the old standards like Davis Perfect. Pkt., 10c; oz., 40c.
Davis' Perfect. (Vaughan's Select Stock). Selected for length and tapering ends. Extra fine color. Pkt., 10c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.60. Stock seed selected for forcing. Pkt., 15c; 2 pkts., 25c; ½ oz., 60c; oz., \$1.00

Radish

Improved Early Scarlet Globe. Vaughan's Selected Stock. The standard red radish for hot bed and forcing use. An unequalled strain of this most popular sort. Pkt., 10c; oz., 15c; ¼ lb., 45c; 1 lb., \$1.35.

Giant Butter Radish. An improvement on the Crimson Giant. The largest of the early forcing radishes. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

Crimson Giant. A standard, very large and early forcing radish, a fine strain. Pkt., 10c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.15.
Vaughan's 20-Day. The earliest olive-shaped Red Radish. Matures 20 days after sowing. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

Spinach

Extra Large Round Leaf, Monstrous Leaved Viroflay, and Vaughan's Norfolk Savoy. Oz., 10c; ¼ lb., 15c; 1 lb., 50c.



MUSHROOMS GROWING IN A BASEMENT.

Mushroom Spawn

(LAMBERT'S SPORE CULTURE)

Thousands of people are successfully raising delicious mushrooms in their basements, cellars and outbuildings. Write for free leaflet on culture. This vegetable is produced by planting Spawn. Our Spawn is always fresh; monthly shipments are received from our manufacturers.

The following strains produce fairly true to type:

No. 7. Brown. (Bohemia). Very hardy and a good producer.
No. 8. Cream Columbia. Mammoth Strain. Hardy and prolific.
No. 9. White Alaska. Mammoth Strain. A most popular sort with growers for the market.

Price—New Spore Culture. The latest process of manufacture. A much harder and more prolific spawn than any yet produced. Price, Lambert's spore culture brick, (weight 1¼ lb.) 35c; 2 bricks for 65c; 5 bricks, \$1.50; 10 bricks, \$2.75; 100 bricks, \$29.00. Not prepaid.

Bottle Spawn. A comparatively new process of manufacture. Case of 12 bottles, \$14.00. By express (not prepaid). We do not break the cases.

ENGLISH SPAWN. A very superior strain to the old English Milltrack Spawn. We are one of the largest handlers in the United States; fresh importations every few weeks (weight per brick 1¼ lb.) Price, brick, 25c; 2 bricks, 40c; 8 bricks, \$1.40; 25 lbs., \$3.25; 100 lbs., \$12.00; not prepaid; if shipped from New York, \$11.50 per 100 lbs.; not prepaid. Special prices on half ton lots and up.

Lettuce

GRAND RAPIDS FORCING. Vaughan's Selected Stock For Greenhouse Use. This grand forcing variety is the hardest of all sorts for greenhouse use and is planted now to the exclusion of almost all other sorts for the purpose. Our strain cannot be surpassed in quality. Bred from single plant selections. Vaughan's Extra Selected Stock. Pkt., 10c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; 1 lb., \$1.50.

Standard Stock. Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 30c; 1 lb., \$1.00.

BLACK-SEEDED SIMPSON. Forms large, loose leaves of ideal color. A good variety for use under glass and best for early outdoor planting.

Vaughan's Select Stock. Pkt., 10c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.50.

Tomatoes

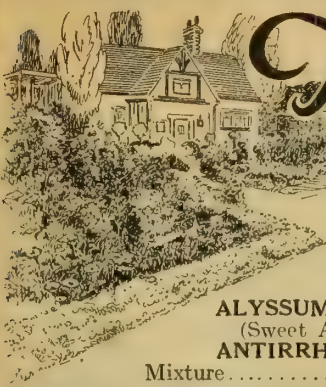
For Under Glass. Best Re-selected Stocks.

Comet (Scarlet.) Sterling Castle (Scarlet), Sunrise (Scarlet), Hubert's Marvel (round like an apple), Frogmore Selected (Scarlet), Best of All and Lorillard (two old standards).

Above varieties, Pkt., 15c each.

Lister's Prolific (New). Latest popular English sort. Pkt., 25c.

New Globe, Chalk's Early Jewel and Bonny Best, American forcing varieties. Pkt., 10c.



Flower seeds for Fall sowing

FEW know many of our prettiest and best known annuals may be sown in the fall, in fact some varieties, like the annual Larkspur, are much better, treated in this way. The principle is the one nature uses. Seed dropped from parent plant will lay dormant in the soil until early in the spring when it germinates and begins a root system long before one can get in the ground to sow seed. Consequently the flowering season is prolonged by the earlier blooming. Ground should be prepared and seed sown just previous to the late heavy frost.

Pkt.

| | |
|---|--|
| ALYSSUM Benthami Maritima. Pkt. (Sweet Alyssum)..... \$0.05 | HUNNEMANNIA Fumariaefolia. ¼ oz., 20c \$0.10 |
| ANTIRRHINUM. Vaughan's Special Mixture..... ½ oz., 25c 15 | LARKSPUR. Vaughan's Special Mixture of annual varieties... 10 |
| BRACHYCOME Iberidifolia. Mixed. (Swan River Daisy). 05 | MATTHIOLA Bicornis (Evening-scented Stock) ... 1 oz., 30c 05 |
| CALENDULA. Orange King..... ½ oz., 20c 10 | NEMOPHILA. Mixed..... ½ oz., 15c 05 |
| CALLIOPSIS Drummondii. Golden Wave..... ¼ oz., 10c 05 | NIGELLA. Miss Jekyll..... ½ oz., 25c 10 |
| CANDYTUFT. Giant Hyacinth Flowered. White... ¼ oz., 25c 10 | POPPY. American Legion. Single orange-scarlet flowers of enormous size, borne on long stout stems..... Oz., \$1.00 25 |
| CENTAUREA Cyanus. Double blue..... ¼ oz., 20c 10 | VIRGINIA STOCKS. Mixed..... Oz., 25c; ½ oz., 15c 05 |
| ESCHOLTZIA. Vaughan's Special Mixture. Oz., 75c; ½ oz., 40c 10 | VISCARIA. Mixed. 1 ft..... 10 |

Sweet Peas—Early-Flowering Spencer

THE happy possessor of a greenhouse may plant these at once inside for blooming in midwinter, and the owner of a garden may plant these in late November or early December in the open ground, just before the ground is frozen, so that germination may take place early in the Spring before the ground is usually in condition to be worked. Sweet Peas planted in the fall produce a better root growth, and those early-flowering varieties bloom before the warm weather overtakes them in midsummer.

Pkt.

| | |
|--|---|
| All White. Best white, seeded white..... Oz., 75c \$0.15 | Miss-Louise Gude. Best in the shell-pink class.... Oz., 75c \$0.10 |
| Amethyst. Royal purple..... Oz., 60c 10 | Morning Star. Deep orange-scarlet or flame color in standard, with rich orange-pink wings..... Oz., 75c 10 |
| Apricot Orchid. A delightful and charming shade... Oz., 60c 10 | Mrs. A. A. Skaach. Flowers bright shell-pink..... Oz., 60c 10 |
| Asta Ohn. A clear lavender..... Oz., 60c 10 | Mrs. Chas. A. Zvolanek. One of the best clear lavenders, Oz., 75c 10 |
| Aviator. Best scarlet..... Oz., 75c 15 | Mrs. M. Spanolin. Black-seeded white..... Oz., 60c 10 |
| Blue Bird. A charming mid-blue self..... Oz., 80c 15 | Rose Queen. A splendid commercial pink..... Oz., 75c 15 |
| Columbia. This is the most profitable pink and white... Oz., 80c 15 | Songster. Giant early lavender..... Oz., 75c 10 |
| Fair Maid. Blush pink..... Oz., 80c 15 | Snow Storm. A good early pure white for late planting, Oz., 75c 10 |
| Glitters. Best orange..... Oz., 80c 15 | The Beauty. The color is a very dark fiery rose.... Oz., 80c 10 |
| Gorgeous. Charming salmon-rose..... Oz., 75c 10 | Torch. Salmon-rose..... Oz., 75c 15 |
| Grenadier. Glowing poppy-scarlet..... Oz., \$1.00 20 | Venus. Standard white, slightly blushed pink wings... Oz., 75c 10 |
| Heather Bell. Rich, but pleasing mauve..... Oz., 75c 10 | Warbler. Rich mauve-purple..... Oz., 75c 10 |
| Hercules. Same shade of pink as Countess Spencer... Oz., 75c 10 | Yarrowa. The color on opening is rose, changing as the flower develops to a light pink standard, tinted buff with blush wings..... Oz., 75c 10 |
| Irene. Fine bluish-lavender..... Oz., 80c 15 | Zvolanek's Blue. Brightest blue..... Oz., 60c 10 |
| Melody. Rose-pink on white ground..... Oz., 75c 10 | Zvolanek's Rose. One of the best rose-pinks..... Oz., 75c 15 |

MIXED. Vaughan's Special. Winter-Flowering Spencers..... Oz., 85c 10

Vaughan's Pansies

| | |
|---|--|
| 2500 Adonis. Light blue with white center..... Pkt. \$0.15 | 2512 Orchid Flowered, Andromeda. Delicate apple-blossom \$0.20 |
| 2501 Auricula Colors. Metallic shades..... 15 | 2513 Almond Blossom. Delicate rose..... 20 |
| 2502 Azure Blue. A beautiful shade of sky-blue..... 15 | 2515 Mammoth. Light greenish-yellow ground, with deep purple blotches..... 20 |
| 2503 Beaconsfield. Lavender and purple..... ½ oz., 50c 15 | 2517 Orchid Flowered Mixed. Rare light shades, large frilled flowers, very attractive..... 15 |
| 2504 Boulogne Giant Mixture. The flowers are of the largest size, great substance, fine form and are borne on particularly strong stems. They are mostly 3 and 5 blotched, delicately veined, rich colors. 100 seeds... 50 | 2519 Pink. Fine shades of pink, same as Hydrangea. ½ oz. 50c 15 |
| 2505 Bugnot. Shades of red, bronze and reddish cardinal... 20 | 2521 President McKinley. Five blotched yellow..... 15 |
| 2506 Cassiers 3 and 5 Blotched Mixed. Mostly light shades with dark blotches..... ½ oz. 60c 20 | 2523 Purple. Very large, rich deep purple..... 15 |
| 2507 Coal Black. A jet black of truly giant size..... 15 | 2524 Prince Bismarck. Light brown colors..... 15 |
| 2507a Collosa Venosa. Light, veined shades, large flowers... 20 | 2525 Pretiosa. Deep violet on crimson background, white edge 15 |
| 2508 Emperor Francis Joseph. Pure white, large blotch of brilliant violet-blue on each petal..... 20 | 2526 Rosy Morn. A crimson margined with a clear white edge 15 |
| 2508a Emperor William. Dark navy-blue..... ½ oz. 50c 15 | 2526a Ruby-Red. 15 |
| 2508b Fiery Faces. Yellow and red..... 15 | 2527 Striped. Mahogany, striped and flaked white..... 15 |
| 2509 Mad. Perret. Lovely shades of pink and rose. ½ oz. 50c 15 | 2528 Trimardeau. Mixed..... ½ oz. 40c 10 |
| 2510 Marechal Niel. Delicate, pleasing cream color..... 15 | 2528a Victoria. Claret-red..... 15 |
| 2511 Masterpiece (New Giant Curled or Spencer Pansies) 25 | 2529 Violet-Blue. A very pleasing shade..... ½ oz. 40c 15 |

| | |
|--|---|
| 2529a Volcano. Deep red with five large blotches, very fine... 20 | 2530 Pure White. Pure white without blotches... ½ oz. 50c 15 |
| 2531 White, With Eye. Very large..... ½ oz. 45c 15 | 2532 Pure Yellow. Golden-yellow without blotches. ½ oz. 50c 15 |
| 2533 Yellow, With Eye. Immense flowers..... ½ oz. 45c 15 | |

2540 Vaughan's Giant Mixture. It includes the richest reds, coppers and bronzes, together with the most delicate rose-pink shadings and the Masterpiece strain with its delicate veinings and ruffled petals. Pkt. ½ oz., \$1.00; 1 pkt., 250 seeds, 25c; 125 seeds 15c

2545 Vaughan's International Mixture. This is, and always has been, literally a World's Best Mixture. 3 pkts. (600 seeds), 65c; 5 pkts. (1000 seeds), \$1.00; ½ oz., \$1.75; 200 seeds 25c



Books on Garden Subjects

Prices quoted below include postage, and are subject to change without notice.

| | |
|--|--------|
| Asparagus Culture. F. M. Hexamer. Illustrated. Cloth; 174 pages... | \$0.90 |
| Asparagus Culture. Barnes & Robinson..... | .80 |
| Back Yard Farmer, The. B. J. Willard Bolte. Cloth..... | 1.25 |
| Berry Book, The Biddle. Cloth; 126 pages..... | .55 |
| Bulbs and Tuberous Rooted Plants. Allen. Cloth..... | 2.10 |
| Bulb Culture. Henderson. 68 pages..... | .55 |
| Bulb Garden, Making a. Tabor. Illustrated..... | .85 |
| Cabbage and Cauliflower. By Allen. Cloth..... | .90 |
| Canning, Every Step in. By Gray. The cold-pack method..... | 1.25 |
| Carnation Culture. L. L. Lamborn. Cloth; 175 pages..... | 1.60 |
| Carrots and Mangels. Gregory. Paper..... | .40 |
| Celery Manual. Vaughan's. Paper..... | .50 |
| Chrysanthemum, The. By Arthur Herrington. Cloth; 160 pages..... | .90 |
| Commercial Carnation Culture, J. H. Dick. Illustrated. 260 pages..... | 1.80 |
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Vaughan's Hardy Perennial Plants

Vaughan's Special Offer of Hardy Plants in Variety

The plants in the following collections will be of the most desirable varieties and of the best quality, but in every instance the selection of varieties will be our own.

We cannot furnish list of varieties in these collections but will send out everything labeled.

| | | |
|---------------------|--|---------|
| No. 21—Hardy Plants | 25 first class plants in variety, our selection for. | \$ 4 00 |
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Plants and Bulbs for Spring Effect

All the varieties of plants we offer in the following lists are especially desirable for **planting in the fall** with bulbs—more particularly with Daffodils, and Darwin and Cottage Tulips. The majority are of dwarf habit, perfectly hardy and produce striking effects as edgings or carpeting to beds or borders where bulbs are planted.

ACHILLEA (Milfoil. Yarrow)

Achilleas are of easy culture and grow in any good garden soil. They are useful for the border, wild garden or shrubbery; also for cutting.

—The Pearl. June-Aug. White. 2 ft. 3 for 85c; doz., \$2.50; per 100, \$15.00.

ALYSSUM (Madwort)

Showy spring-flowering plants. Valuable for front row in border or rock garden.

—Saxatile Compactum. (Gold Dust.) May-June. Golden yellow. 1 ft. 3 for 85c; doz., \$2.50; per 100, \$15.00.

ANTHEMIS (Marguerite)

These Hardy Marguerites are most satisfactory perennials, succeeding in the poorest soil. The flowers are yellow.

—Kelwayi. May-July. Yellow. 1 ft. 3 for 85c; doz., \$2.50; per 100, \$15.00.

AQUILEGIA (Columbine)

The Columbine is one of the most beautiful hardy perennials producing graceful spurred flowers on 2-foot stems. They are much prized for cut flower purposes making dainty decorations. They are one of the most important of our early hardy flowers and should be grown in quantity, being easy to establish and thriving in almost any situation. Our Long Spurred mixed are selected from the very finest kinds, their colors vary considerably, but all are choice,

AQUILEGIA (Columbine)—Continued

free in habit and of great value for massing, and with their long stems are splendid for cutting.

—Chrysantha. June-Aug. Golden yellow. 3 ft. 3 for 85c; doz., \$2.50; per 100, \$15.00.

—Chrysantha Alba. June-Aug. Pure white. 3 ft. 3 for 85c; doz., \$2.50; per 100, \$15.00.

—Mrs. Scott Elliott's Strain of Long Spurred Hybrids. The flowers are very large and of distinct shades of blues, lavenders, mauves, whites, creams, pinks, reds, yellows, etc. Many of these colors being entirely new in the species and are the result of very many years careful hybridization. Plants, 3 for \$1.00; doz., \$3.50; per 100, \$18.00.

—Vaughan's Long Spurred Mixed. June-Aug. Mixed. 1½ to 2 ft. 3 for \$1.00; doz., \$2.50; per 100, \$15.00.

ARMERIA (Thrift, Sea Pink)

A good plant for front of border, graves or rockery. Dwarf, compact, evergreen foliage. Excellent for cutting.

—Lauchena. May. Rose. 6 in. 3 for 85c; doz., \$2.50; per 100, \$15.00.

ARTEMISIA

—Lactiflora. 4 to 4½ ft. Sept.-Oct. A great acquisition to herbaceous borders or wild garden, producing elegant spikes of pure white flowers on stout stems; the whole plant has the appearance of a highly ornamental flowering shrub. Graceful for table decoration. 3 for 85c; doz., \$2.50.

Parcel Post

The following are the approximate weights of plants which can be sent by Parcel Post. Parcel Post rates are given on inside of front cover, and on order sheet of this catalog. Please add postage at zone rates.

Prices This Year are as Follows:

| Plants priced at | | per dozen | | 3 supplied for | Each |
|------------------|--------|-----------|-------|----------------|--------|
| { | \$2.50 | { | ..... | \$0.65 | \$0.30 |
| | 3.00 |  | ..... | .85 | .35 |
| | 3.50 |  | ..... | 1.00 | .40 |
| | 4.00 |  | ..... | 1.25 | .50 |
| | 4.50 |  | ..... | 1.35 | .55 |
| | 5.00 |  | ..... | 1.50 | .65 |

| | 3 Plants | 6 Plants |
|--|----------|----------|
| Plants, in 2½-inch paper pots..... | 1 lb. | 2-3 lbs. |
| Plants, in 4-inch paper pots..... | 3-4 “ | 7-8 “ |
| Perennial Plants, (Paper wrapped)..... | 1½-2 “ | 3-4 “ |



AQUILEGIA

Darwin Tulips planted among Perennial Plants make a gorgeous display in May.



ASTER—Climax

ASTER (Hardy)

Now fill a most important place in all hardy flower gardens, lighting up the borders and shrubberies with their masses and clouds of dainty and brightly colored blossoms throughout the autumn months up to November, when other flowers are scarce.

- Novae Angliae*. 3 ft. Sept.-Oct. Deep purplish blue. 3 for 85c; doz., \$2.50; per 100, \$15.00.
- Novae Belgae Climax*. Oct.-Nov. Lavender blue. 5 ft. 3 for 85c; doz., \$2.50; 100, \$15.00.
- Climax White*. Oct.-Nov. Pure white. 5 ft. 3 for 85c; doz., \$2.50; per 100, \$15.00.
- St. Egwin*. Oct.-Nov. Pink. 2½-3 ft. 3 for 85c; doz., \$2.50; 100, \$15.00.

BOLTONIA (False Chamomile)

This Aster-like hardy plant is useful for cutting, remaining in bloom a long time; requires good rich soil and an open situation in border or shrubbery.

- Asteroides*. July-Oct. White. 4 ft. 3 for 85c; doz., \$2.50; per 100, \$15.00.
- Latisquama*. Delicate pink. 3 for 85c; doz., \$2.50; 100, \$15.00.

BUDDLEIA (Butterfly Bush or Summer**Lilac)**

A small shrub bearing exquisite tapering spikes of lilac mauve flowers; requires same protection as roses during winter. Plant in Spring.

- Variabilis Veitchiana*. July-Aug. Mauve. 3 ft. 3 for 85c; doz., \$2.50; per 100, \$15.00.

CAMPANULA (Bell Flower)

A large beautiful and most important family for the flower garden. The dwarf species are charming for rock gardens being, as a rule, not difficult to cultivate. The habit of the plant as a rule is compact, ranging from 18 to 24 inches in height. They are most effective when planted in the mixed borders near the early Phloxes. The *Persicifolia* varieties are good perennial plants. *Pyramidalis* is a tall growing species, sending up its stalks of bloom 5 to 6 ft. in height during Aug. and continuing to bloom for six weeks or more.

- Carpatia*. (Harebell). June-Aug. Blue. 1 ft. 3 for 85c; doz., \$2.50; per 100, \$15.00.
- Carpatia Alba*. 9-in. July. Pure white. 3 for 85c; doz., \$2.50; per 100, \$15.00.
- Calycanthemum*. White. (Cup and Saucer). June-Aug. White. 1 ft. 3 for 85c; doz., \$2.50; per 100, \$15.00.
- Calycanthemum*. Pink. (Cup and Saucer). June-Aug. Pink. 1 ft. 3 for 85c; doz., \$2.50; per 100, \$15.00.
- Calycanthemum*. Blue. (Cup and Saucer). June-Aug. Blue. 1 ft. 3 for 85c; doz., \$2.50; per 100, \$15.00.
- Medium*. White. (Canterbury Bell). June-Aug. 1 ft. 3 for 85c; doz., \$2.50; per 100, \$15.00.
- Medium*. Pink. (Canterbury Bell). June-Aug. 1 ft. 3 for 85c; doz., \$2.50; per 100, \$15.00.
- Medium*. Blue. (Canterbury Bell). June-Aug. 1 ft. 3 for 85c; doz., \$2.50; per 100, \$15.00.
- Persicifolia*. Mixed. 3 for 85c; doz., \$2.50; per 100, \$15.00.

CARNATION (Hardy Carnation)

After a few years' trials, we have proved these to be quite hardy with ordinary protection. Large double red and white flowers, produced in succession all summer. Make excellent beds and are valuable cut flowers.

- Grenadin*. Mixed. June-Sept. 1½ ft. 3 for 85c; doz., \$2.50; per 100, \$15.00.

CHELONE (Barbatus Torreyi)

Long coral-red spike like a penstemon.

- Barbatus Torreyi*. July-Aug. Coral red. 3 for 85c; doz., \$2.50; per 100, \$15.00.

CHIVES

Used for seasoning. 3 for 60c; doz., \$2.00; per 100, \$12.00.

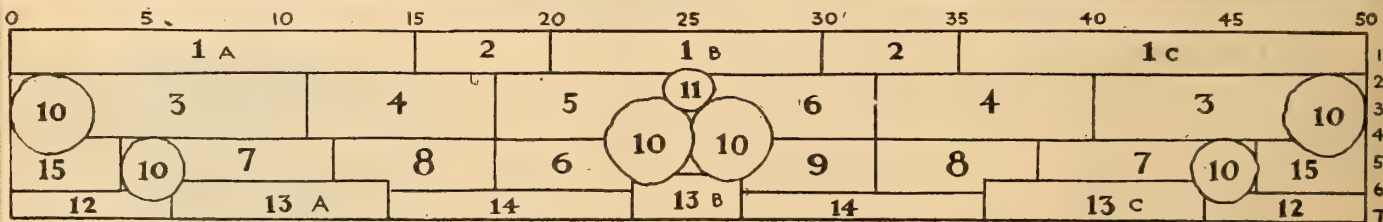
CHRYSANTHEMUM (Hardy Daisy)

Fine hardy border plants, their large daisy-like flowers being produced in great profusion. They are splendid for cut flower purposes, lasting well. King Edward VII is an extraordinary flower.

- King Edward VII*. June-July. White. 3 ft. 3 for 85c; doz., \$2.50; per 100, \$15.00.
- Lacineatum*. White comet fringed. White petals. 3 for 85c; doz., \$2.50; 100, \$15.00.
- Mrs. C. Lothian Belle*. Large white daisy-like flowers. 3 for 85c; doz., \$2.50; per 100, \$15.00.



CAMPANULA—Medium

A PERENNIAL BORDER**KEY TO PERENNIAL BORDER PLAN, 7 x 50 FEET**

| Location No. | Plants to Be Used | No. of Plants |
|--------------|-------------------------------|---------------|
| 1A | ASTER, Climax | 18 |
| 1B | BOLTONIA, Latisquama | 12 |
| 1C | DELPHINIUM FORMOSUM | 18 |
| 2 | YUCCA, Filamentosa | 6 |
| 3 | PHYSOTEGIA, Virginica | 18 |
| 4 | LYCHNIS CHALCEDONICA | 18 |
| 5 | HIBISCUS, Mixed Mallow Marvel | 3 |
| 6 | COREOPSIS, Lanceolata | 12 |
| 7 | PHLOX, Mrs. Jenkins | 18 |
| 8 | LILLIUM CANDIDUM | 12 |
| 9 | CAMPANULA, Medium Mixed | 24 |
| 10 | PEONIES, Selection of | 6 |
| 11 | PLATYCODON, White | 3 |
| 12 | SWEET WILLIAM, Mixed | 24 |
| 13A | IRIS, L'Avenir | 10 |
| 13B | IRIS, Monsignor | 10 |
| 13C | IRIS, Mrs. H. Darwin | 4 |
| 14 | HARDY PINKS, Special Mixed | 24 |
| 15 | TULIPS, Darwin's Selection | 24 |

IT IS the charm of a perennial planting that its occupants become old friends. Once established, the flowers remain as long as they are wanted and year after year we greet them at the same time and in the same place.

Yet such a border is ever changing. Each flower has its season, when it buds, blossoms, and finally exhausts its glory and retires for a long rest.

Because of the variation in blooming season and the wide range of colors, the arrangement of a perennial border is in itself an art. By skillful planning, the border may be made to present from May until October a continuous show of blossoms, of colors that harmonize. The plants which may be used vary not only in color but in size. For the planning of a perennial border which will provide a succession of bloom and correct color of harmony, an exact knowledge of the plants to be used is required. And for the experienced gardener such arranging and rearranging affords keen pleasure.

For the beginner, who desires to acquire familiarity with the material before venturing upon an original plan, we offer a collection and planting plan.

This plan is intended for an area, 7 x 50 feet, on the border of the garden, in front of shrubbery or in other suitable location. In a smaller space exactly half of it may be used, requiring 7 x 25 feet. An explanation of the plan, in which the kind and number of plants to be used in each numbered location on the plan is here given:

The collection of 264 plants for space 7 x 50 feet sent to purchaser by express, not prepaid, for \$50.00; prepaid, \$58.00.

The Cottage Tulips are Excellent for the Perennial Border; All are Perfectly Hardy.

ERIGERON (Flea Bane)

Valuable summer flowering plants with elegant single aster-like flowers, much prized for cutting. Amos Perry is a new and much improved variety.

—Amos Perry. June-Oct. Lavender blue. 1 ft. 3 for \$1.00; doz., \$3.50.

FUNKIA (Day Lily)

Very attractive plants with broad overlapping leaves of various markings; very ornamental, surmounted by dainty lily-like flowers in terminal racemes. Effective in front of shrubbery, under trees, or any shady position where they thrive best.

—Lanceolata. August. Dark blue. 1 ft. 3 for 85c; doz., \$2.50; per 100, \$15.00.

—Variegata. 3 for 85c; doz., \$2.50; per 100, \$15.00.

GAILLARDIA (Blanket Flower)

Gaillardias are fine for bedding and borders, invaluable as a cut-flower, remaining in bloom the entire summer.

—Grandiflora Mixed. June-Oct. Mixed. 1½ ft. 3 for 85c; doz., \$2.50; per 100, \$15.00.

—Portola. (New.) The plant is of strong, vigorous, erect habit of growth, from 2½ to 3 feet high, the stems are strong and stiff, holding the flowers erect; these are of

HELIANTHUS (Hardy Sunflower)

Hardy, perennial Sunflowers flourish splendidly in any garden city or country. They are a beautiful race of sturdy, showy plants, invaluable for cutting, as they last so long in water.

—Multiflorus Plenus (Dahlia Sunflower). Aug.-Sept. Double yellow. 5 ft. 3 for 85c; doz., \$2.50; per 100, \$15.00.

HELIOPSIS

A very brilliant border plant, resembling a double sunflower; flowers double yellow; an excellent cut-flower.

—Gratissima. June-Aug. Double yellow. 2½ ft. 3 for 85c; doz., \$2.50; per 100, \$15.00.

HEMEROCALLIS (Yellow Day Lily)

The Day Lilies are magnificent hardy plants and are undoubtedly among the finest plants for ordinary garden culture, as they will grow anywhere in either partial shade or full sun. The flowers are produced in spikes of from six to a dozen blooms, opening in succession, and are very useful when cut for indoor decoration. Good for borders, shrubberies, wild garden or naturalizing in grass.

—Aureole. Orange shaded with crimson. 3 for 65c; doz., \$2.00; per 100, \$10.00.

—Citrina. June-July. Pale Citron yellow. 2 ft. 3 for 65c; doz., \$2.00; per 100, \$10.00.

—Flava. July-Aug. Yellow. 3 ft. 3 for 65c; doz., \$2.00; per 100, \$10.00.

—Kwanso, fl. pl. June-July. Coppery red double. 3 ft. 3 for 65c; doz., \$1.75; per 100, \$10.00.

—Sovereign. June-July. Chrome yellow. 3 ft. 3 for 65c; doz., \$2.00; per 100, \$10.00.

HEUCHERA (Alum Root)

They are of the simplest cultivation, and thrive well in ordinary garden soil. Their dainty sprays of rose carmine flowers make them invaluable for cutting.

—Brizoides Gracillima. May-June. Rosy Carmine. 2 ft. 3 for 85c; doz., \$2.50; per 100, \$15.00.

—Nancy Perry. 3 for 85c; doz., \$2.50; per 100, \$15.00.

HYPERICUM (St. John's Wort)

A splendid new shrub-like plant of pendulous spreading habit. The flowers are golden yellow over 2 inches in diameter, like immense single buttercups. A most desirable plant for sunny situations.

—Moserianum. July-Sept. Golden yellow. 3 ft. 3 for 85c; doz., \$2.50; per 100, \$15.00.

LAVENDULA

Delightfully fragrant flowers, much used when dry on account of their sweet odor.

—Vera. (True Lavender). June-Aug. Blue. 2 ft. 3 for 85c; doz., \$2.50; per 100, \$15.00.

DELPHINIUM—Gold Medal Hybrids

COREOPSIS (Tickseed)

One of the most popular hardy plants, the flowers are a rich golden yellow of a beautiful graceful form.

—Lanceolata. May-Oct. Yellow. 2 ft. 3 for 85c; doz., \$2.50; per 100, \$15.00.

DELPHINIUM (Perennial Larkspur)

Few plants are so handsome in the garden as the perennial Larkspurs. There are many species in cultivation, but the most important are the tall hybrids, of which there are many varieties with a wonderful range of color. They are valuable for their great variety in height, varying from 1 to 6 feet, for their great variety in shades of color, varying from the palest lavender through every conceivable shade of blue to deep indigo. They thrive in almost any situation or soil and are easily increased, being perfectly hardy. A good, deep, rich soil will repay with larger and better flowers.

—Belladonna. Sky blue. June-Aug. 3 ft. 3 for 85c; doz., \$2.50; per 100, \$15.00.

—Bellamosum. This is a dark form of the popular light blue Belladonna with which it is identical in habit and growth, freedom of bloom and other good qualities, but intensely rich deep blue flowers. 3 for 85c; doz., \$2.50; per 100, \$15.00.

—Formosum. July-Sept. Blue with white eye. 4 ft. 3 for 85c; doz., \$2.50; per 100, \$15.00.

—Indigo. (New.) 4 ft. Pure indigo blue. 3 for 85c; doz., \$2.50; per 100, \$15.00.

—Gold Medal Hybrids. This strain is specially grown for us, the seed being saved from selected plants. All inferior colors and types are discarded. Many of them are double flowered, and range in color from pale lavender to indigo blue. 3 for 85c; doz., \$2.50; per 100, \$15.00.

DIANTHUS (Hardy Garden Pink)

These very desirable sweet-scented, low-growing, early blooming and free flowering Hardy Garden Pinks are unequalled for the borders of beds, carriage drives, and the old-fashioned garden, and should be planted in quantity in any good garden soil with full sun and an open situation.

—Abbottsford. May-Oct. Pink. 15 in. 3 for 85c; doz., \$2.50; per 100, \$15.00.

—Vaughan's Special Mixture. May-Oct. 15 in. 3 for 85c; doz., \$2.50; per 100, \$15.00.

DAISY (Shasta)

Alaska. 2 ft. Wonderful show of large white flowers. Fine for cutting. Blooms all summer. 3 for 85c; doz., \$2.50; per 100, \$15.00.

DIANTHUS BARBATUS

(See Sweet William)

ECHINOPS (Globe Thistle)

Handsome, strong-growing plants with thistle like leaves and globe-shaped bristly flowers.

—Ritro. 3 ft. Metallic blue flower heads. 3 for 85c; doz., \$2.50; per 100, \$15.00.



FUNKIA (Day Lily)

large size, nearly 4 inches in diameter, the petals being very broad and overlapping, of great substance, and spread out flat, forming a very regular flower; in color a brilliant scarlet with coppery hue which is intensified by the golden yellow with which each petal is heavily tipped. Portola is not only a valuable addition as a flowering subject for the garden for the entire summer and fall, but is also a splendid cut flower. This variety, which in habit of growth as well as in size, make up, form and color of flower, is entirely distinct from anything ever offered. Each, 50c; doz., \$5.00.

HARDY PINKS

—Harold. A splendid, large, double pure white of very symmetrical form and great substance. 3 for \$1.00; doz., \$3.50.

—Jean. Pure white, a deep violet crimson center; a distinct, handsome flower. 3 for \$1.00; doz., \$3.50.

—Mary. Pale rose-pink with light maroon center. 3 for \$1.00; doz., \$3.50.

—Robert. A delicate shade of old rose with light maroon center. 3 for \$1.00; doz., \$3.50.

GYSOPHILA

Large graceful sprays of white flowers; splendid for cutting.

—Paniculata. (Baby's Breath). July-Aug. White. 1½ ft. 3 for 85c; doz., \$2.50; per 100, \$15.00.



GYSOPHILA—Paniculata Flore Pleno



1. CHERUBIN 4. JEANNE d'ARC 7. MONSIGNOR
2. VIOLACEA GRANDIFL. 5. ALCAZAR 8. ARCHEVEQUE
3. CAPRICE 6. ISOLINE 9. PROSPER LAUGIER

- 8.3 Dejazet. 24 inches. "S" bronze rose with golden sheen; "F" reddish violet, the whole beautifully blended. Large, broad flower. Midseason. Each, \$1.50.
8.5 Grevin. 26 inches. "S" violet shaded yellow; "F" deep purple. A strong grower with large, well formed flowers. Very attractive. Late. Each, \$3.00.
8.3 La Neige. 24 inches. "S" and "F" pure glistening ivory white. The falls are carried stiffly horizontal, reminding one of a Japanese Iris. This is, in our judgment, the best of all whites. The flowers are borne well above the foliage and are of great substance. Late. Each, \$1.25; 3 for \$3.25; dozen, \$10.00.
9.6 Lent A. Williamson. 42 inches. "S" lavender violet; "F" velvety royal purple. This variety was awarded the highest rating in the recent A. I. S. Symposium. The flowers are of gigantic size; it is tall and luxuriant grower and the flowers are freely produced. Each, \$2.25; 3 for \$6.00.
9.1 Magnifica. 44 inches. "S" light purple on white; "F" dark reddish purple. A fine, strong plant with branching stems close to 4 feet tall. Flowers of heavy texture, measuring 6 inches high; stands heat well. Very fragrant. Midseason. Each, \$5.00.

- 8.9 Alcazar. "S" light mauve; "F" rich crimson with lighter veins. A very handsome Iris of good growth, producing tall, strong, widely branched flower stalks. The flowers are large and of good texture. 3 for \$1.00.
8.3 Amas (Macrantha). "S" rich blue; "F" violet; very large and handsome, a very desirable sort. 3 for 85c.
Archbishop (Archeveque). "S" deep velvety violet; "F" deep purple violet; an exquisite Iris; a wonderful bloom of finest texture. 3 for \$1.25.
6.6 Candelabre. "S" mauve and purple, with spotted effect on inside; "F" violet, with white and black veins, producing candelabra-like form and rich coloring. Per 100, \$10.00; 3 for 65c.
7.5 Caprice. "S" reddish purple; "F" deeper, self-colored. One of the best red Irises, very similar to Edouard Michel. Per 100, \$12.00; 3 for 65c.

- 8.5 Medrano. 26 inches. "S" and "F" a beautiful dark, smoky claret, a very rare color. Flowers of large size. Early. Each, \$4.00.
8.5 Moliere. 28 inches. "S" violet; "F" deep velvety violet; yellow beard. Early. Each, \$4.00.
Mrs. Walter Brewster. 36 inches. "S" lavender blue; "F" aniline blue. This was awarded the Mrs. E. Harding prize at Paris in 1921 as the most meritorious introduction of that year. As many as six flowers are open at the same time, some over 6 inches long. Each, \$6.50.
8.1 Neptune. 38 inches. "S" bright pale blue; "F" rich dark purple. Flowers very large, borne on tall branching stems; very choice. Midseason. Each, \$2.00.
8.7 Opera. 28 inches. "S" Bishop's (red) purple; "F" purple violet. A wonderful coloring. Each, \$2.50.
9.0 Queen Caterina. 40 inches. Pale lavender violet with orange beard. A strong grower; flowers large with domed standards and rounded, drooping falls. A splendid variety. Midseason. Each, \$4.50.

SPECIAL OFFER No. 28

One each of above 22 new Iris for \$64.00, prepaid.

- 7.1 Celeste. Fine satiny blue. One of the most beautiful of hardy Irises of the older type. Per 100, \$10.00; 3 for 55c.
6.8 Cherubin. "S" pale lilac; "F" pale lilac, veined purple. Per 100, \$12.00; 3 for 65c.
7.3 Clio. "S" white; "F" clear blue; a very distinct and striking sort. 3 for 65c; per 100, \$12.00.
Dalmarius. "S" pale gray-blue; "F" darker and shaded violet brown; a free bloomer and increases rapidly. 3 for 85c.
7.6 Dorothea. An early dwarf flower of exceptional merit. "S" mauve, deeper in center; "F" soft blue, with orange veinings. Very fine. Per 100, \$10.00; 3 for 55c.
7.4 Dr. Bernice. "S" coppery bronze; "F" velvety crimson. Very handsome. Combines well with soft yellows. 3 for 85c.

Vaughan's Iris

Flag Iris or Fleur de Lis

THESE Irises are all sun lovers and delight in a well-drained situation. They are all deliciously fragrant, large and handsome, more or less beautifully mottled in the "Standards" and veined in the "Falls," while the beards range from delicate primrose to orange. Their beauty at first sight rivals that of the Orchid, but, on closer examination, we have no hesitation in saying they yield points of interest not to be found in the whole of the Orchid family. Those who have not used these Irises for surrounding lakes and ponds, or cultivated them in the flower borders, shrubberies, woodland walks and wild gardens, should do so. If planted around ponds or lakes, they should be placed well above the water level.

PLANTS BY PARCEL POST—If to be sent by parcel post, add postage as follows: Single plants, 5c; 3 plants, 10c; 6 plants, 15c; 12 plants, 25c. We accept no responsibility for delays or conditions that may prove injurious to the contents.

PLANTS BY EXPRESS—We recommend this mode of transit where quantities are over 18 to 24 plants. We pack carefully, but accept no responsibility for delays over which we have no control that may cause injury to the contents.

"S" refers to the three standard, or upright, curling petals; "F" to falls or drooping petals. The figures preceding the varieties are the rating given to them by the Iris Society, 10 being the highest rating used in judging.

Iris are the most effective if planted 3 of a kind in a clump

Relative Prices are as Follows:

| | | 3 supplied for | | Each |
|------------------|--------|----------------|--------|--------|
| Plants priced at | \$2.50 | ..... | \$0.55 | \$0.25 |
| | 3.00 | ..... | .85 | .35 |
| | 3.50 | ..... | 1.00 | .40 |
| | 4.00 | ..... | 1.25 | .50 |
| | 4.50 | ..... | 1.35 | .55 |
| | 5.00 | ..... | 1.50 | .65 |

25 plants of a variety at the 100 rate where listed by the hundred.

New and Choice Varieties

- 9.4 Ambassadeur. 40 inches. "S" smoky bronze; "F" dark velvety maroon. A strong grower, carrying its large flowers well disposed on its stalks; petals of great substance. Vilmorin's finest seedling. Late. Each, \$4.00.
8.3 Ambigu. 24 inches. "S" bright smoky red; "F" blackish purple. The effect of this is that of a rich dark red; the flowers are large, of beautiful form and ruffled at the standards. Each, \$3.00.
9.4 Ballerine. 48 inches. "S" light violet blue; "F" a deeper shade. Very fragrant. The large flowers, 5 inches in height, are borne on strong, tall and slender spikes, are waved at the edge. Quite similar to Lord of June, but superior to it on account of its better keeping qualities. Early. Each, \$4.00.
8.3 Benbow. 36 inches. "S" and "F" deep violet blue. Very large flowers; one of the best in the pallida group and the best of its color. Midseason. Each, \$3.00.
8.6 Cluny. 38 inches. "S" pale lilac blue; "F" slightly deeper with brown veinings at the base. Flowers of very large size, of fine form and well placed; a very desirable sort. Early. Each, \$2.50.
8.7 Crusader. 42 inches. "S" light blue; "F" deep violet blue. The flowers are very large, broad-petaled and of great substance; they are freely produced. One of the best clear blues. Midseason. Each, \$2.00.
8.3 Semino. 30 inches. "S" soft violet rose; "F" rich velvety crimson, brilliant orange beard. One of the most outstanding sorts. Midseason. Each, \$1.75.
9.3 Souv. de Mad. Gaudichau. "S" and "F" rich deep purple. This is without a doubt the most beautiful of all the deep purple Irises. The plants are vigorous, the stalks are tall and the magnificent flowers, of great size, form and substance, are freely produced and well placed. Our stock is limited and early orders are requested. Early. Each, \$7.00.
The Inca. 24 inches. "S" deep, clear saffron yellow; "F" velvety dark plum, edged with a golden band through center. An improved Peacock's Eye. Midseason. Each, \$1.50.
Trianon. 28 inches. "S" nearly flesh; "F" yellow with a cast of blue. A novel and very delicate combination of colors. A vigorous grower and a free bloomer; flowers large and well formed. Late. Each, \$3.00.
8.4 W. J. Fryer. 30 inches. "S" bright yellow; "F" deep maroon with narrow yellow border. An improved Iris King. Late. Each, \$2.25.

- 8.6 Edouard Michel. "S" deep red violet; "F" a slightly deeper tone. Flowers large and of fine shape and substance. The standards are broad and frilled, the falls are broad and large. Each, \$1.20; 3 for \$3.00.
7.8 Eldorado. "S" bronze shaded yellow; "F" violet purple touched at sides with bronze yellow. A unique and brilliant color combination. Per 100, \$12.00; 3 for 55c.
8.0 Fairy. Beautiful white with blue border and veinings. Very sweet scented; not as well known as it should be. 3 for 65c.
7.5 Frorin. "S" and "F" pale canary yellow, merging to cream at base. 3 for 55c.
7.6 Florentina Alba. Large pure white with a trace of pale blue fragrant flowers. One of the earliest to bloom. 3 for 55c; per 100, \$10.00.

Vaughan's Iris

IRIS.

- 6.7 **Gajus.** "S" light clear yellow; "F" crimson, reticulated white and yellow. Per 100, \$10.00; 3 for 55c.
- 6.5 **Gertrude.** Deep violet blue; very fragrant. Per 100, \$10.00; 3 for 55c.
- 7.1 **Halfdan.** Creamy white. Large and of good substance. Early. 3 for 65c.
- Harriet.** "S" white, a blue line running through each, also veined and spotted blue; "F" white with veined border of blue. Early. 3 for \$1.00.
- 7.3 **Her Majesty.** "S" a lovely rose pink; "F" bright crimson tinged a darker shade. 3 for 65c.
- 8.6 **Isoline.** "S" lilac pink; "F" purplish old rose, with golden throat and yellow beard. One of the handsomest of the Iris family. 3 for \$1.00.
- 7.0 **Jeanne d'Arc.** Flowers, large, petals broad, of a fresh clear lilac. "S" ruffled, spreading in manner of Japanese Iris; "F" pure white, bordered lilac. 3 ft. Per 100, \$18.00; 3 for \$1.00.
- 8.1 **Juniata.** Clear blue, deeper than Pallida Dalmatica. One of the tallest; flowers large and fragrant. 3 for \$1.00.
- 7.9 **King of Iris.** "S" lemon yellow; "F" rich crimson bordered with gold; a very desirable variety; tall, with large flowers. 3 for \$1.25.
- 7.8 **Kochi.** "S" and "F" rich claret purple, a very striking dark flower. Also sold as Black Prince, Midnight and Purple King. Very early. Per 100, \$15.00; 3 for 65c.
- L'Avenir.** A beautiful shade of satin blue, not a very large flower, but a very pleasing one. Per 100, \$10.00; 3 for 65c.
- 8.2 **Lohengrin.** Large, handsome pink silvery-mauve flowers. 3 for 85c.
- Loie Fuller.** Clear pumpkin yellow with a greenish sheen in the fall. Claimed by some to be identical with Aurea, but our experience is different. In our opinion this is one of the best clear yellow Iris. Each, \$1.00; 3 for \$2.50.
- 7.9 **Loreley.** "S" light yellow; "F" ultramarine, bordered cream. Very free blooming. Per 100, \$12.00; 3 for 55c.
- 8.0 **Loute.** "S" light blue and heliotrope; "F" reddish purple and bronze. 3 for \$1.50.
- 8.1 **Ma Mie.** "S" pure white, frilled light violet; "F" white, penciled and margined lavender, veined green. An improved Mad. Chereau. 3 for \$1.50.
- 6.1 **Maori King.** "S" golden yellow; "F" velvety maroon margined gold. A very distinct variety, grows only 18 inches high and is a late bloomer. 3 for 55c.
- 7.8 **Mary Garden.** "S" pale yellow, flushed lavender; "F" creamy white, tinted and veined maroon. 3 for 85c.
- 8.4 **Monsignor.** Tall, large blossoms borne in profusion. "S" bluish lavender; "F" violet with white pencillings at throat. Flowers of immense size and great substance. Blooms for a long time. One of the best. Per 100, \$12.00; 3 for 65c.
- 7.4 **Mme. Chereau.** One of the most beautiful of its class. The flowers are pure white, with a broad and irregular border of clear blue, and are borne on strong upright stems that are often from two to three feet tall. Per 100, \$10.00; 3 for 55c.
- Mme. Paquette.** "S" and "F" bright rosy claret; very handsome; early flowering. 3 for 85c.
- 6.8 **Mrs. H. Darwin.** "S" clear waxy white; "F" white, violet veins. Flowers of medium size, but are produced in great profusion. Per 100, \$10.00; 3 for 55c.
- 7.3 **Niebelungen.** "S" fawn yellow; "F" violet purple on bronze. Very large and free blooming. 3 for 65c.
- 7.8 **Oriflamme.** "S" light blue; "F" violet purple; extra fine large flower. Flowers very large and handsome. A most desirable variety. 3 for \$1.35.
- 8.8 **Pallida Dalmatica.** One of the most beautiful of all these Irises. Perfectly hardy, strong grower and very free flowering. Exquisite shade of lavender-blue. Very effective if planted among evergreens or in front of Spiraea Van Houttei. Per 100, \$25.00; 3 for \$1.00.
- 8.1 **Parc de Neuilly.** Deep violet blue. Very free blooming and effective. 3 for \$1.35.
- 7.9 **Parisiana.** "S" white shaded and dotted lilac; "F" white, frilled with lilac at edge. Very distinct and pleasing. 3 for 85c.
- Peacock's Eye.** "S" olive gold; "F" bluish plum color with broad gold border. 3 for \$1.25.

- Pres. Thiers.** "S" lavender blue; "F" deeper blue, white pencillings. Per 100, \$12.00; 3 for 55c.
- 7.2 **Princess Victoria Louise.** "S" sulphur yellow; "F" plum color, bordered cream. A very uncommon and pleasing shade. The flower stalks are strong and the habit bold. 3 for 85c.
- 8.3 **Prosper Laugier.** Midseason. "S" fiery bronze; "F" velvety ruby purple like a pansy bloom. Per 100, \$20.00; 3 for 85c.
- 8.4 **Quaker Lady.** "S" smoky lavender, shaded yellow; "F" ageratum blue and gold. A strong grower, odd and attractive. 3 for \$1.00.
- Queen Emma.** "S" and "F" pure white faintly flushed blue; long tapering standards and very long falls; possessing a pleasing fragrance. 3 for \$1.50.
- 7.4 **Queen of May.** "S" lilac pink; "F" lilac.
- 8.4 **Rhein Nixe.** "S" white, very large; "F" blended with white; distinct. 3 for 65c. rich violet purple with distinct narrow white edge. A charming flower. Beautiful in massed effects. Per 100, \$25.00; 3 for \$1.25.
- 7.6 **Sherwin Wright.** Early. "S" and "F" splendid golden yellow without shading or markings. Multiplies rapidly and is most satisfactory. 3 for 75c.
- 7.6 **Stormcloud (Nuee d'Orange).** (New.) Very large flowers of grayish slate-blue, with bronze shading. "F" purplish blue. Very fine. Per 100, \$15.00; 3 for 65c.
- 7.4 **Tamerlane.** "S" pale violet; "F" deep purple. Magnificent, tall, bold, very unique. 3 for \$1.35.
- 8.0 **Viola Grandiflora.** "S" and "F" clear violet blue. The best true blue. Per 100, \$20.00; 3 for 85c.
- 6.0 **Twilight (Crepuscle).** "S" and "F" delicate violet-purple, quite devoid of markings. Immense flowers on long stems. Early. Highly recommended. 3 for \$1.00.
- Walhalla.** "S" lavender; "F" wine red. A strong grower and free bloomer. 3 for 65c.
- 8.3 **White Knight.** A beautiful absolutely snow-white Iris without markings of any kind; delicately sweet-scented. A vigorous grower. It fulfills in every way its worthy name. 3 for \$1.35.
- Zephyr.** Clear violet blue; silky sheen. 3 for 55c.



Monsignor

Pallida Dalmatica

Iris Collections

- No. 1
Popular Border Varieties, all colors
1 plant each, for \$2.25
3 plants each, for 5.00
Caprice
Dorothea
Gertrude
Loreley
Sherwin Wright

- No. 2
Pink and Red Shades
1 plant each, for \$1.60
3 plants each, for 4.00
Caprice
Isolene
Queen of May

- No. 3
Giant Flowered Sorts
1 plant each, for \$2.00
3 plants each, for 5.00
Alcazar
Isolene
Monsignor

- No. 4
Early, Medium and Late Sorts
1 plant each, for \$3.25
3 plants each, for 8.00
Alcazar
Celeste
Dr. Bernice
Gertrude
Loreley
Queen Alexandra

- No. 5
Lavender, Blue and Purple
1 plant each, for \$2.25
3 plants each, for 5.75
Celeste
Kochi
Monsignor
Pres. Thiers
Viola Grandiflora

- No. 6
Yellow, Bronze and Mahogany
1 plant each, for \$2.40
3 plants each, for 6.00
Alcazar
Loreley
Prosper Laugier
Peacock's Eye

- No. 7
Red, white and Blue
1 plant each, for \$0.65
3 plants each, for 1.50
Mad. Paquette, Mrs. H. Darwin and Gertrude.

- No. 8
Bargain Collection
One each, 6 varieties (6 plants) our selection, for \$1.00, prepaid.

- No. 9
Bargain Collection
Two each, 9 varieties (18 plants) our selection, for \$2.00, prepaid.

- No. 10
Bargain Collection
Three each, 12 varieties (36 plants) our selection, for \$3.00, prepaid.

- Hardy Iris Special Mixture
Doz., \$1.25 (postpaid); (by express at buyer's expense) per 100, \$6.00; per 1,000, \$50.00. (25 at 100 rate, 250 at 1,000 rate.)

- Good Mixture
For large plantings and naturalizing, splendid value. Per 100, \$4.00; per 1,000, \$25.00. (By express at buyer's expense.)



PHYSOSTEGIA VIRGINICA

VARIOUS IRISES

- SIBERICA Orientalis.** (Yale blue.) A slender, graceful, tall-growing Iris, with deep blue flowers. Doz., \$2.40; 3 for 65c.
- SIBERICA Geo. Wallace.** (Azure blue.) Falls marked white. 3 for 65c.
- SIBERICA Snow Queen.** Large, ivory white. 3 for 65c.
- PUMILA Hybrida.** Dwarf variety of German Iris, growing about 8 inches high, very free blooming, sweet scented. These bloom about two weeks before the German Iris.
- Cyanea.** Rich royal purple with black shading. 3 for 55c; doz., \$2.00; per 100, \$10.00.
- IRIS Kaempferi** (Japanese Iris). Plant in spring.

LYCHNIS (Jerusalem Cross)

- Highly ornamental plants for summer, valued for cut flowers and border plants.
- Chalcedonica.** June-Sept. Orange scarlet. 2-3 ft. 3 for 85c; doz., \$2.50; per 100, \$15.00.

MERTENSIA (Blue Bells or Virginian Cowslip)

- A lovely plant for choice spots in borders, or rock gardens, preferring a southwest aspect; will thrive in any good soil and in the shade.
- Virginica.** May-June. Light blue. 18 in. 3 for 85c; doz., \$2.50; per 100, \$15.00.

MONARDA (Bergamot or Bee Balm)

- Fine for naturalizing in woods and shrubbery; bearing large whorls of flowers and fragrant foliage; good for bees. Sandy loam and sunny position. Fine for masses.
- Didyma.** June-Sept. Brilliant scarlet. 3 ft. 3 for 85c; doz., \$2.50; per 100, \$15.00.

MINT

- Old-fashioned,** hardy, useful plant. 3 for 65c; doz., \$2.00; 100, \$10.00.

NEPETA

- These little plants give clouds of bright blue flowers all summer. Makes a fine permanent edging and an excellent rock plant.
- Mussini.** May-Sept. Light blue. 1 ft. 3 for 85c; doz., \$2.50; per 100, \$15.00.

PACHYSANDRA

- Small whitish flowers in May, which are insignificant, deep green evergreen foliage, after the Helleborus type but much smaller; unsurpassable where an evergreen carpet is required. Looks well on graves, around shrubs and under trees, thrives anywhere.
- Terminalis.** May. White. 4-6 in. 3 for 85c; doz., \$2.50; per 100, \$15.00.

PAPAVER NUDICAULE (Iceland Poppy)

- Elegant free flowering plants bearing flowers in abundance all summer.
- White, Yellow and Orange.** 3 for 85c; doz., \$2.50; per 100, \$15.00.
- Mixed.** 3 for 85c; doz., \$2.50; per 100, \$15.00.

PAPAVER Orientale—(Oriental Poppy)

For gorgeous coloring the Oriental Poppies have few rivals among hardy plants. They produce magnificent effect in shrubberies and herbaceous borders, while for cutting they are invaluable. 3 ft.

- Royal Scarlet.** 3 for 85c; doz., \$2.50; per 100, \$15.00.

PHYSOSTEGIA (False Dragon Head)

Fine for a cool situation and rich, light soil, bearing erect spikes of pretty feather-like flowers. Useful for borders, wild gardens and for cutting.

- Grandiflora.** June-Sept. Pink. 3 ft. 3 for 85c; doz., \$2.50; per 100, \$15.00.
- Alba.** June-Sept. Pure white. 2 ft. 3 for 85c; doz., \$2.50; per 100, \$15.00.
- Verginica.** Dense bushes with spikes of delicate pink tubular flowers. 3 for 85c; doz., \$2.50; per 100, \$15.00.

PLATYCODON (Chinese Moon Flower)

Very handsome border plants of the Campanula family, the flowers in bud having the appearance of inflated balloons, they flower from June to September.

- Grandiflorum.** Large, handsome deep blue flowers. 3 for 85c; doz., \$2.50; 100, \$15.00.
- Album.** Pure white. 3 for 85c; doz., \$2.50; 100, \$15.00.

PYRETHRUM (Painted Daisy)

These are of great value for cut flower purposes, lasting in water longer than any flower we know. They are perfectly hardy, delighting in a cool, moist soil.

- Roseum, Single Mixed.** June. 18 in. 3 for 85c; doz., \$2.50; per 100, \$15.00.
- Uliginosum.** 4 ft. Large giant, daisy like, flowers in great profusion. 3 for 85c; doz., \$2.50; per 100, \$15.00.
- Double Mixed.** 3 for \$1.00; doz., \$3.50; 100, \$18.00.

RANUNCULUS (Buttercup)

- Acris is the well-known double yellow buttercup so effective either as a cut flower or grouped in the Hardy borders. Repens is a showy plant bearing rosettes of double yellow button-like flowers during May and June. Likes a shady or partial shady situation in rich soil.
- Acris fl. pl.** (True Buttercup). May-June. Yellow. 2 ft. 3 for \$1.00; doz., \$3.60.

RUDBECKIA (Cone Flower)

The Rudbeckias are very decorative plants for shrubberies, flower borders or side of carriage drives, thriving in any good garden soil. Golden Glow is perhaps the best known kind, although they are all worthy of a trial, especially the Purplea for its wine-red color.

- Lacinata fl. pl.** (Golden Glow). July-Oct. Yellow, 5-7 ft. 3 for 85c; doz., \$2.50; per 100, \$15.00.

SALVIA

Beautiful plants, with long spikes of tubular blue flowers. Leaves of Officialis used for seasonings and dressings. Pitcheri makes a grand showing in the fall and is without a doubt one of the best of all Autumn blue flowers.

- Officialis.** (Common Sage). 3 for 65c; doz., \$2.00; per 100, \$12.00.
- Pitcheri** (Meadow Sage). Sept.-Oct. Deep blue. 3½ ft. 3 for \$1.00; doz., \$3.60.

SEDUM

Fine plants for rock-gardens, ruins, banks and walls, preferring open, loamy soil and stones. They will, however, flourish anywhere in city or country and stand dry weather. They are especially suited to sunny locations.

- Acre.** (Golden Moss). May-June. Bright yellow. 3 in. 3 for 85c; doz., \$2.50; per 100, \$15.00.
- Brilliant.** June-July. Scarlet. 6 in. 3 for 85c; doz., \$2.50; per 100, \$15.00.
- Rubrum.** June-Aug. Brilliant red. 6 in. 3 for 85c; doz., \$2.50; per 100, \$15.00.

SPIRAEA (Meadow Sweet)

Filipendula fl. pl. is good for front row in hardy border or edging. Graceful plants, both in flower and foliage. The graceful plumes of Venusta are a handsome sight when in full bloom.

- Filipendula fl. pl.** (Dropwort). June-July. Double white, 18 in. 3 for 85c; doz., \$2.50.

STATICE (Sea Lavender)

Spreading panicles of everlasting flowers which are much prized for Winter decoration. They are graceful plants for the border; require sandy soil and full exposure to the sun.

- Latifolia.** July-Sept. Lavender. 2 ft. 3 for 85c; doz., \$2.50; per 100, \$15.00.

SWEET WILLIAM (Dianthus Barbatus)

The varieties offered are an improvement on the old-fashioned kinds, inasmuch as the colors and size of flower are far superior, being grown from select seed. Sweet William looks fine in solid beds or masses and requires a good, rich, well manured soil to grow it to perfection.

- Diadematus.** One of the prettiest flowers; rose spotted and sprinkled with white. 3 for 85c; doz., \$2.50; per 100, \$15.00.
- Scarlet Beauty.** June-Oct. Scarlet. 3 for 85c; doz., \$2.50; per 100, \$15.00.
- Johnson's Giant.** June-Oct. Mixed, extra fine. 2 ft. 3 for 85c; doz., \$2.50; per 100, \$15.00.
- Nigrescens.** Almost black. 3 for 85c; doz., \$2.50; per 100, \$15.00.
- Pink Beauty** (Newport Pink). Pkt., 10c; 3 for 85c; doz., \$2.50; per 100, \$15.00.
- Vaughan's Special Mixture.** A mixture of all the beautiful varieties here listed and others. This is sure to please in the varied and unique coloring and markings. 3 for 85c; doz., \$2.50; per 100, \$15.00.

THALICTRUM (Meadow Rue)

These stately plants should be more grown on account of their finely cut foliage, which much resembles that of Maiden-hair Ferns. Diptercarpum is a beautiful and rare plant bearing light sprays of lilac flowers.

- Adiantifolium.** June-Aug. Yellow. 8 in. 3 for 85c; doz., \$2.50; per 100, \$15.00.
- Diptercarpum.** Aug.-Sept. Lilac Mauve. 4 ft. 3 for \$1.00; doz., \$3.60; per 100, \$18.00.

THERMOPSIS

- Caroliniana.** A showy, tall growing plant, attaining a height of 3 to 4 feet, producing long spikes of yellow flowers in June and July. Plants, 3 for 85c; doz., \$2.50.

TRILLIUM (Wake Robin)

One of the most beautiful of our native flowers. Hardy everywhere. Should be planted in partial shade. Splendid for naturalizing in moist shaded places. Flowers are pure white.

- Grandiflorum.** May-June. White. 12 in. 3 for 65c; doz., \$1.50; per 100, \$8.00.

VERONICA (Speedwell)

Among the prettiest of herbaceous plants, bearing in most cases blue flowers, which are much needed.

- Amethystinum.** June-July. Blue. 2 ft. 3 for 85c; doz., \$2.50; per 100, \$15.00.
- Spicata Alba.** June-July. White. 18 in. 3 for 85c; doz., \$2.50; per 100, \$15.00.
- Spicata.** 2 ft. July-Aug. Small spikes of rich blue flowers. 3 for 85c; doz., \$2.50; 100, \$15.00.

YUCCA (Adam's Needle)

A charming plant to group in the hardy flower border, cemetery or as specimens on the lawn.

- Fiamertosa.** June-July. Pure white. 4-5 ft. 3 for 85c; doz., \$3.00; per 100, \$15.00.
- 3 year, 3 for \$1.25; doz., \$4.00.



PYRETHRUM ROSEUM

PHLOX SUBULATA CARPETING LATE TULIPS

PHLOX DECUSSATA

Hardy Phlox

PHLOX DECUSSATA

Dwarf and Alpine Phlox

THIS is one of the most useful flowers for summer decorations, the colors varying from pure white to deep crimson. They are not at all particular as to soil, and are exceedingly hardy. To obtain good results it is wise to manure the soil well and give them a fairly open situation, and an occasional soaking with water during very dry weather. Once planted they require no further attention for several years, but it is advisable to renew them about every fifth year.

The flowering period is from the early part of July to the middle of September and they grow to heights varying from 1 to 3 and even 4 feet. If the first flower spikes are cut off as soon as over, and the plants are given a good soaking, a second crop of bloom extending until late in the fall may be expected.

Our collection contains the finest of the new introductions. The colors are very beautiful and striking, and the individual flowers are in many cases twice and thrice the size of older varieties.

Letters and numbers immediately following the varieties, indicate time of flowering and approximate height as follows:

- | | |
|---------------|------------|
| (1) Early | (D) Dwarf |
| (2) Midseason | (M) Medium |
| (3) Late | (T) Tall |

Our prices are for one-year field grown plants.

The blue, lavender and orange colored ones should be planted in semi-shade, as the sun often bleaches out the colors in a short time.

THESE are remarkable for their dense prostrate habit and mass of bloom in spring and early summer. They are splendid subjects for the fronts of borders and graves. They are quite distinct from the Phloxes offered on this page.

Divaricata Canadensis. One of our native specials which is worthy of extensive planting, commencing to bloom early in April and continuing through May, with large fragrant lavender flowers on stem 10 inches high. 3 for 65c; per dozen, \$2.00; 100, \$10.00.

Subulata Alba. A compact mass of elegant prostrate foliage, dainty white flowers in May and June; height, 4 in. 3 for 85c; per dozen, \$3.00.

Subulata Rosea. Same as above, but with dainty pink flowers. This and Alba are fine for graves. 3 for 85c; per dozen, \$3.00.

Philadelphia, Pa., March 28, 1923

Vaughan's Seed Store, Chicago, Ill.

Dear Sirs:—My last order of seeds came in nice condition. You have the finest collection of seeds and give better measure than other seed stores. Enclosed find another order. Yours respectfully,

MRS. PERCY WILLIAMS.

Antonin Mercie. A beautiful grayish lilac with white center. A favorite among the light varieties. 3 for 85c; doz., \$2.40; per 100, \$16.00.

Anton Buchner. Pure white strong grower. 3 for 85c; per doz., \$2.40; per 100, \$15.00.

Crepuscule. (M. 2.) Large cherry-red center, edged pale violet pink. 3 for \$1.00; doz., \$3.60; per 100, \$20.00.

Coquelicot. A fine orange scarlet with crimson eye. 3 for 85c; per doz., \$2.40; per 100, \$15.00.

Eclairer. Brilliant rosy magenta with large lighter halo. 3 for 85c; per doz., \$2.40; per 100, \$15.00.

Europa. (T. 2.) White, distinct crimson eye, large flower. 3 for \$1.00; doz., \$3.60; per 100, \$20.00.

Gen. Van Heutsz. Brilliant salmon red with white center. 3 for \$1.00; per doz., \$3.60; per 100, \$20.00.

Le Madi. A metallic blush-violet color, having fine large truss. One of best of its color. 3 for 85c; per doz., \$2.40; per 100, \$15.00.

Maculata Alpha. (Suffruticosa.) Dwarf early variety with dark pinkish-mauve flowers, stems usually spotted and slender. 3 for \$1.00; per doz., \$2.40.

Mad. Paul Dutrie. Soft pink suffused white. 3 for \$1.00; per doz., \$3.60; per 100, \$20.00.

Miss Lassberg. The purest white in cultivation. Extra fine. 3 for \$1.00; per doz., \$3.60; per 100, \$20.00.

Miss Lingard. (T. 1.) (Suffruticosa.) Pure white; the earliest of all. Blooms all summer. Good for cut flowers. 3 for \$1.00; per doz., \$3.60; per 100, \$20.00.

Mrs. Jenkins. A very free-flowering early variety of medium height, producing immense panicles of pure white flowers. 3 for 65c; per doz., \$2.50; per 100, \$15.00.

Pantheon. Deep salmon rose, very fine. 3 for 85c; per doz., \$2.40; per 100, \$15.00.

Rheinlander. A new variety of great beauty, a rare shade of salmon pink intensified by a distinct claret-red eye. Flowers and truss of unusual size. 3 for \$1.00; per doz., \$3.60; per 100, \$20.00.

Selma. Large trusses of large pink flowers with cherry-red eye. 3 for \$1.00; per doz., \$3.60; per 100, \$20.00.

Wanadis. A pleasing mottling of white and light violet, very distinct. 3 for \$1.00; per doz., \$3.60; per 100, \$20.00.

Widar. Light reddish violet with very large white center. 3 for \$1.00; per doz., \$3.60; per 100, \$20.00.

W. C. Eagan. Large flower; rich rosy-mauve. A splendid vigorous plant. 3 for \$1.00; per doz., \$3.60; per 100, \$20.00.

MIXED. 1 year field-grown plants of a choice mixture of colors. Unnamed varieties. Our selection. 3 for 55c; per doz., \$2.00.

SPECIAL OFFER No. 31. One each of 10 varieties, our selection from above. All distinctly labeled for \$3.00 prepaid.

SPECIAL OFFER No. 31A. One each of 6 varieties (six plants), our selection. Distinctly labeled for \$1.75 postpaid.

SPECIAL OFFER No. 31B. Two plants each of 3 varieties (six plants), three distinct colors, our selection, for \$1.50 postpaid.



HARDY PHLOX



MARGUERITE GERARD



BARONESS SCHROEDER



DUKE OF WELLINGTON



MODEL OF PERFECTION

Vaughan's Peonies

PEONIES, especially the modern introductions, are probably the most valuable, and most beloved of all perennial plants. Planted in sun or semi-shade, in single clumps or long beds; or bordering lawns, shrub rows, and carriage drives, they give a grand display of large fragrant blossoms of brilliant colors during June, followed by their exquisite foliage which is very ornamental during summer months. They are also most effective for home and table decorations, and last longer in water than many other perennials. Avoid buying cheap Peonies, they require just as much care as the better kinds, and are disappointing in the end.

Planting. Peonies may be planted in the fall or spring, but fall planting has many advantages. Orders should be sent in at once so that we can forward when weather permits. Avoid planting too deeply, as this is often the cause of shy blooming; 2 or 3 inches of soil over the crown (eyes) being sufficient. After planting give a heavy mulching of rotten stable manure, and do not transplant the clumps for at least 5 years, and then only if very necessary. We offer three sizes, viz.—**Divided roots**, (D) 2 to 5 eyes. (M) 2-year, 4 eyes and up. (L) 3-year, 8 eyes and up.

The figures preceding the varieties are the rating given to them by the American Peony Society.

White and Light Varieties

- 8.7 **Avalanche (Albatre)** A magnificent variety which opens like a rose. Pure white with a few pencilings of carmine on the edge of center petals. A truly magnificent variety; fragrant; crown type; late midseason. D, \$1.00; M, \$1.50; L, \$2.25.
- 9.0 **Baroness Schroeder.** Rose type; late. White with shadings of flesh. This is one of the finest peonies. Its immense flowers of great substance with high chalice-shaped center are freely produced, lasting a long time. It is as sweet as the rose with the true June rose fragrance. D, \$1.50; M, \$2.25.
- 8.1 **Couronne D'Or.** Large, flat, semi-rose type. Pure white, with a ring of yellow stamens around a tuft of center petals, tipped carmine. Medium tall, splendid grower, free bloomer. Late. D, 60c; M, 90c; L, \$1.20.
- 8.1 **Duchess de Nemours (Calot).** Sulphur-white with greenish reflex. Flower large, cup-shaped. Splendid cut-flower variety. Midseason, follows Festiva Maxima; fragrant. D, 50c; M, 75c; L, \$1.00.
- 6.7 **Duchess of Teck.** Pure waxy-white, yellow stamens showing; resembles Couronne d'Or; rose type; late midseason. D, 80c; M, \$1.20.
- 7.8 **Duke of Wellington.** A very large, vigorous, tall-growing variety with flowers of enormous size, with high built centers, two rows of large broad guard petals of pure snow-white, while the center of the flower is sulphur-yellow. Flowers are borne on strong upright stalks, are fragrant and freely produced; late midseason. D, 60c; M, 90c; L, \$1.20.
- 9.3 **Festiva Maxima.** This is probably the most popular and beautiful white peony. Flowers are of immense size, often 7 to 8 inches in diameter. The edges of center petals are dotted with carmine spots. It is a free and willing bloomer and quite early. D, 50c; M, 75c; L, \$1.00.
- 9.1 **Frances Willard.** A perfectly-formed, large perfect flower. Opens an exquisite bluish-white, with an occasional carmine touch, changing to pure white; of good substance; fragrant. D, (2-eye) \$3.00.
- 7.9 **Jeanne d'Arc.** Collar, cream-white, shaded with sulphur. Guards, pale lilac-rose, and full high brilliant pink center, with occasional carmine spots. A vigorous plant, and a very free midseason bloomer. Exquisitely fragrant. D, 60c; M, 90c; L, \$1.20.
- 8.8 **Kelway's Glorious.** Flowers large, full double-rose type; cream-white, overlaid with a soft blush of rose; very exquisite; fragrant; late midseason. Considered by many as the finest of Kelway's peonies. D, (1 to 2-eye) \$22.00.
- 9.1 **Lady Alexandra Duff.** Delicate pale-pink fading to white. Main flower large, cup-shaped, rose type. Blossoms form side buds often semi-double, exposing the anthers; fragrant. D, (2-eye) \$4.00.
- 8.3 **La Rosiere.** Large, semi-double flower, with broad petals, outer petals pure white at center with yellowish-white border. In form and effect resembles an enormous tea rose. Midseason. D, \$1.00; M, \$1.50.
- 7.5 **La Tulipe.** Very large shell-formed bloom; delicate rose, fading to creamy white; center petals tipped with carmine; outside of guard petals striped with carmine; late. D, 75c; M, \$1.25; L, \$1.50.
- 9.9 **Le Cygne.** Very large, perfectly formed flower, freely produced; cream-white with a touch of green at the heart. The finest white. Received the highest rating of any peony. D, (2-eye) \$15.00.
- 7.9 **Madame de Verneville.** Guard petals sulphur-white, center delicate flesh. Flowers very double and compact, imbricated; borne on long stems. This is one of the most desirable for all purposes. D, 50c; M, 75c; L, \$1.00.
- 8.9 **Madame Emile Lemoine.** Flowers extra large, imbricated, each petal overlapping the other, giving the flower a very unusually distinctive shape. Color glossy white, overlaid with a sheen of satiny pink, pure white when fully open. A strong grower and free bloomer. Midseason. D, \$1.50; M, \$2.25; L, \$3.00.
- 9.4 **Mad. Jules Dessert.** Very large flat flowers; color pure white overlaid with a sheen of delicate blush with a pronounced pink center, intermixed with golden stamens; rose-type flower; midseason. One of the most beautiful peonies in existence. D, (2-eye) \$4.50.

- 8.5 **Marie Lemoine.** Delicate ivory-white; solid massive blooms of extra size; very late. D, 60c; M, 90c; L, \$1.20.

- Minnie Shaylor.** Semi-rose type, white with golden center. Said to be Shaylor's best seedling. Very choice and rare. D, (1 eye) \$30.00.

- 8.3 **Mons. Dupont.** Very large, cup-shaped flower; ivory-white; center petals splashed with carmine. The golden stamens show at the base of the petals; fragrant; a strong grower; very tall; midseason. D, \$1.00; M, \$1.50; L, \$2.00.

- 8.9 **Pleas' Jubilee.** Extremely large, flat flowers of ivory-white; petals long and narrow, loosely arranged, giving a feathery effect; large, rather flat flower; a strong grower and free-bloomer. Early. D, (1 to 2-eye) \$6.00.

- 9.7 **Solange.** Flower very large, compact; rose type; outer petals delicate waxy-white, deepening toward the center with shades of orange and golden-brown. One of the most beautiful peonies in existence; a strong grower and a late, free-bloomer. D, (2-eye) \$4.50.

- 9.4 **Tourangelle.** Pearl-white, overlaid with delicate shades of golden-brown; flowers of unusual size, flat, borne on long stems. Must be well established to get best results. Exquisite in its color tints if shaded from the heat of the sun when opening. D, (2-eye) \$4.50.

Light and Dark Pink and Rose

- 8.6 **Albert Crousse.** Bomb-shaped; very large flower forming a perfect ball; delicate sea-shell pink; a magnificent variety; late. D, 75c; M, \$1.20.

- 7.1 **Alexander Dumas.** Light violet-rose, of medium size. A creamy-white collar of narrow petals mingled with the white outer petals. A fine cut flower variety and a good producer. Early midseason. D, 50c; M, 75c; L, \$1.00.

- 8.7 **Claire Dubois.** Very large, double, globular flowers; color rich clear satiny pink, with glossy reflex. One of the most desirable pink peonies. Late midseason. D, \$1.00; M, \$1.50.

- 7.6 **Delicatissima.** Rose-type. Midseason. Color pale lilac rose. A most desirable cut flower variety; blooms in clusters; stalks long and strong. One of the best medium-sized pinks. D, 60c; M, 90c; L, \$1.20.

- 7.7 **Dorchester.** Delicate salmon-pink, a color that is very rare in peonies. Flowers very late; a most desirable sort. D, 75c; M, \$1.20; L, \$1.50.

- 7.6 **Edulis Superba.** This is one of our earliest varieties, usually coming into bloom on Decoration Day. Color is a bright clear mauve-pink, with silvery reflex. Flowers are of large size and very fragrant. D, 50c; M, 75c; L, \$1.00.

- 6.6 **Faust.** Guard petals and crown pink, fading to lilac-white, collar of narrow sulphur-white petals; midseason. D, 60c; M, 90c; L, \$1.20.

- 7.5 **Floral Treasure.** Very large, full flower of clear, even pink, shading lighter at the center; a very delicate color. Early midseason. D, 60c; M, 90c; L, \$1.20.

- 8.9 **Georgiana Shaylor.** Flower very large, flat, pale rose-pink with a few flecks of crimson. A very high-class peony; a strong grower and mid-season bloomer. D, (2 eye) \$7.00.

- Kohinoor.** Shell-pink, very free, splendid cut-flower; midseason. D, 50c; M, 75c; L, \$1.00.

- 9.0 **La France.** Soft appleblossom-pink, deeper at the base of petals; very fragrant. Flowers of largest size, globular, perfectly double, rose type. A strong, erect grower. A most desirable variety. D, (2 eye) \$6.00.

- Lilian Gumm.** Rose type; midseason. Deep pink reflecting mauve. Resembles La France, but has a stronger, better stalk. Very large and profuse bloomer. D, (2 eye) \$5.00.

- 7.3 **L'Indispensable.** Semi-rose type; early; a strong grower and willing bloomer; flowers very large. Color a fresh hydrangea-pink when opening, with primary petals lighter; center flushed crimson; fragrant. D, 60c; M, 90c; L, \$1.20.

- 8.1 **Livingstone.** Very massive solid light pink of the highest class. Rose-shape. Free, Vigorous bloomer and very late. D, \$1.25.



MME. DE VERNEVILLE

FELIX CROUSSE

OFFICINALIS RUBRA PLENA

LIVINGSTONE

Vaughan's Peonies

LIGHT AND DARK PINK, AND ROSE—Continued.

- 7.8 **Mad. Barillet Deschamps.** Semi-rose type. Flowers large, flat; petals imbricated. Color, delicate silvery-pink. Early midseason. D, 80c; M, \$1.20; L, \$1.60.
- 7.7 **Madame De Vetry.** Crown type; midseason. Very large, finely formed bloom. Lilac-white guards and crown, sulphur-white collar of wide petals, center striped carmine. Splendid cut flower variety and a fine bedding sort; fragrant. D, 80c; M, \$1.20; L, \$1.60.
- 7.5 **Madame Emile Galle.** Rose type; late midsummer. Flowers large, double, cup-shaped; color delicate shell-pink with touches of heliotrope and lavender. One of the most beautiful of the pink peonies. D, 1.00; M, \$1.50; L, \$2.00.
- 7.7 **Madame Forel.** Immense, compact, bell-shaped bloom. Clear deep rose. Strong stems, very fragrant; late. D, 75c; M, \$1.25; L, \$1.50.
- 7.4 **Margurite Gerard.** Large, compact, semi-rose developing into a crown with stamens. Very pale hydrangea-pink, fading to nearly white, central petals flecked dark carmine. Free, late. Extra. D, \$1.00; M, \$1.50; L, \$2.00.
- 7.0 **Milton Hill.** Clear pink overlaid with sheen of delicate lilac. Very large bloom; excellent for cutting; a wonderful peony; late. D, (2 eye) \$3.00.
- 7.8 **Model of Perfection.** Rose type, late. Flowers of immense size, perfectly double, borne on tall, strong stalks. Guard and color light violet rose with shades of flesh, marbled and veined with bright rose, silver tipped, deepening in the center. D, \$1.00; M, \$1.50; L, \$2.00.
- 7.2 **M. Jules Elie.** This is by many considered the most beautiful of all peonies. The flowers are of immense size, globular in form. The color is glistening lilac-pink, shading to deeper rose at the base. The whole flower is overlaid with a sheen of silver. One of the best cut-flowers, being a splendid keeper. D, \$1.00; M, \$1.50; L, \$2.00.
- 7.5 **Octavie Demay.** Very large, flat crown, guards and center delicate hydrangea-pink, collar almost white. Very fragrant, very dwarf; midseason. A wonderful peony. D, \$1.00; M, \$1.50; L, \$2.00.
- 7.7 **President Taft.** A vigorous, strong grower, a profuse bloomer, every shoot being crowned by a big bloom. The flower is really of enormous size; there may be peony flowers as large, but none larger. The color is a delicate hydrangea-pink, completely enveloped in a halo of angelic white. The fragrance is delicious. It is certainly a glorious, gorgeous flower, very large and double. D, \$1.50; M, \$2.25; L, \$3.00.
- 7.4 **Princess Beatrice.** Light violet-rose crown and guards, creamy-white collar; speckled crimson center; compact and large; free bloomer; fragrant; early midseason variety. D, 50c; M, 75c; L, \$1.00.
- 7.6 **Souvenir de l'Exposition Universelle.** Rose type; late midseason. Very large; flat flower of violet-rose with silvery reflex and distinctly tipped silver; fragrant; free-bloomer, with spreading habit. D, 60c; M, 90c; L, \$1.20.
- 7.8 **Therese.** A most desirable variety of a charming shade of violet-rose, changing to lilac-white. Develops a high crown, strong grower and very free-bloomer. A splendid addition to the midseason sorts of which it is one of the best. D, (2 eye) \$4.25.
- 7.8 **Triomphe de l'Exposition de Lille.** Large, imbricated flower; soft carnation pink, with white reflex, carmine center; very fresh coloring. One of the best. D, 75c; M, \$1.10; L, \$1.50.
- Walter Faxon.** Semi-rose type; midseason. A free bloomer; a wonderful color, bright delicate rose; a strong grower. One of the best rose pinks; very scarce. D, (2 eye) \$10.00.

Red and Crimson Sorts

- Adolph Rousseau.** Huge semi-double flowers of deep purplish-red. Tall, vigorous, early. One of the darkest of all. D, \$1.60; M, \$2.40; L, \$3.20.
- 7.8 **Augustin d'Hour.** Bomb type; midseason. Extremely large; showy, perfectly built bloom. Color very deep, rich, brilliant solferino-red with slight silvery reflex. It is a taller grower and larger flower than Felix Crousse. D, 75c; M, \$1.20; L, \$1.50.
- 7.6 **Cherry Hill.** Semi-rose type, midseason. Deep garnet with conspicuous sheen. Stems strong and erect. Does not burn. Was awarded silver medal of Massachusetts Horticultural Society and was highly recommended by the American Peony Society. D, (1 eye) \$7.00.
- 7.8 **E. G. Hill.** Semi-rose type, early midseason. Flowers very large and double, borne in clusters. Color rich tyrian-red; petals edged silvery-rose. A very free bloomer, fragrant. This is one of our best reds. D, \$2.50.
- 7.4 **Felix Crousse.** Rose type; late midseason. Felix Crousse fills the bill. Its large, globular flowers, solid and compactly built from edge to center, are a rich, even, brilliant, dazzling ruby-red. Exceptionally fiery, bright and effective. D, 75c; M, \$1.25; L, \$1.50.
- 7.2 **Grover Cleveland.** Rose type; late. Rich dark crimson; a strong grower and very conspicuous on account of its rich color. D, (1 to 2 eye) \$1.50.

- 8.8 **Karl Rosenfield.** Very large flower, globular semi-rose type. Extremely vigorous grower, tall, and free-flowering. As an early red, it has no equal. D, \$1.50; M, \$2.25.
- 6.9 **Louis Van Houtte.** Medium size, semi-rose type. Deep carmine-rose, tipped silver with a brilliant fiery reflex; medium late. D, 60c; M, 90c; L, \$1.20.
- 7.5 **Marechal Vaillant (Grandiflora Rubra).** Of immense size, light red, resembling the American Beauty rose; rose type; a strong grower; one of the largest red. D, 60c; M, 90c; L, \$1.20.
- 8.7 **Mary Brand.** Vivid crimson of immense size; full double; a free-bloomer and a strong grower; delightful fragrance; midseason. D, (2 eye) \$3.00.
- 7.7 **Krelage.** Large, compact, semi-rose type. Dark solferino-red, with silvery tips. Slightly fragrant. Strong, upright, free bloomer. Late. Very desirable. D, \$1.00; M, \$1.50; L, \$2.00.
- 8.8 **M. Martin Cahuzac.** Medium sized, globular, semi-rose type. Dark purple-garnet with black reflex. The darkest peony known. Strong, vigorous grower; free-bloomer; midseason. D, (2 eye) \$2.50.
- Officinalis Rubra Plena.** This is the old-fashioned red, the most brilliant of all red peonies; early and splendid cut-flower. D, 75c; M, \$1.25.
- 7.6 **Pierre Dessert.** Semi-rose type; early. Dark amaranth red shaded garnet. A very brilliant color, flower large and full. D, \$1.00; M, \$1.50.

Japanese Flowered Peonies

These are entirely without pollen. The outer petals are a mass of filaments like a "Crown of Thorns" surrounded by a guard of petals.

Amo-No-Sode. Bright-rose, shading lighter toward the edge of the petals; similar to Tamabako. D, (2 eye) \$12.50.

Mikado. Guards velvety-crimson, forming a cup enclosing a filigree cushion of crimson petaloids, edged and tipped gold. D, (2 eye) \$2.50.

Some Ganko. Rosy-crimson, edged cream, with tuft of bright yellow petaloids. D, (2 eye) \$5.00.

Single Peonies

- Darkness.** Very dark maroon petals surrounding a golden cluster of stamens. D, (1 eye) \$2.50.
- Emily.** Soft rose-pink; very beautiful. D, 75c; M, \$1.20.
- La Fiancee.** Pure white; very large, tall. D, \$1.50.
- Perle Rose.** Delicate clear china pink with silvery edge. D, (2 eye) \$3.00.
- Prince Bismarck.** Rich dark red, tall, very free. D, 75c.
- Velvutine.** Deep rose pink. D, \$1.20.

Un-named Peonies

- | | |
|---|--|
| Double White. — D, 40c; M, 60c; L, \$1.00 | Double Pink. — D, 40c; M, 60c; L, \$1.00 |
| Double Red. — D, 50c; M, 75c; L, \$1.25 | Double Mixed. — D, 30c; M, 50c; L, 75c |

Peony Collections—DIVIDED ROOTS

PEONY COLLECTION (A)

Festiva Maxima. White. **Edulis Superba.** Rose. **Marechal Vaillant.** Red. One each of above for \$1.45; by mail, postpaid, \$1.60.

PEONY COLLECTION (B)

The above 3 in Collection (A) and **M. Chas. Leveque.** White. **Mad. Breon.** White; pink guards. **Meissonier.** Red. One each of above 6 for \$2.90; by mail, postpaid, \$3.20.

PEONY COLLECTION (C)

The above 6 in collection (A) and (B) and **Couronne d'Or.** White; late. **Delicatissima.** Pink. **Paul du Ribert.** Red. One each of above 9, \$4.50; by mail, postpaid, \$4.90.

PEONY COLLECTION (D)—SURPLUS VARIETIES

Twelve different Peonies—4 white and light; 5 pink and rose; 3 red all labeled to color, \$4.00; by mail, postpaid, \$4.50.

PEONY COLLECTION (E)

NEW AND CHOICE VARIETIES

One each of **E. G. Hill.** Dark rose. **Francis Willard.** White. **Lady Alexandra Duff.** Pink. **M. Martin Cahuzac.** Red. One each of above 4, \$10.00; by mail, postpaid, \$10.25.

Decorative Plants

FOR HOUSE AND CONSERVATORY



CROTON



CALADIUM



DRACAENA MASSANGIANA



DRACAENA TERMINALIS

THESE make excellent presents for birthdays, holidays, etc. Customers who wish to have any of these plants shipped or delivered may depend on getting choice plants. We shall be glad to attach cards if desired.

Besides the sizes we list, we have choice and larger plants, ranging in prices from \$2.00; \$3.00, \$5.00 and up to \$30.00 in some varieties.

Unless instructed to the contrary, all orders are forwarded by express at buyer's expense.

Plants by Mail. Small plants, when ordered at the "each" price, will be sent by mail when so desired, and it is practicable, the soil being entirely or partly removed and the roots carefully wrapped in damp moss. Small orders, accompanied by extra money for postage, will be sent by mail if so instructed; a list of postal rates for the different zones will be found on inside of front cover. Bulky plants such as large Roses, Shrubs, etc., we send by express only.

Plants by Express. We strongly urge this method of transportation, as it enables us to give better values in larger and finer plants and they will arrive in a more satisfactory condition. We add extra plants to help defray express charges.

Plants by Rail. Trees, Shrubs and other dormant stock can be forwarded safely by fast freight lines, even to very distant points, at low rates.

Safe Arrival Guaranteed. We guarantee the safe arrival of all plants to any point in the U. S. A. or Canada when sent by express. If forwarded in any other manner they are entirely at the risk of the purchaser.

Important. All orders are shipped as soon as possible upon receipt. If instructions accompany the order, we will reserve plants for future shipment. This applies especially to plants ordered during freezing weather.

ASPIDISTRIA GREEN (Iron Plant). A popular plant for house decoration. One of the few plants that seem to thrive in the hot air of the living room. Each, \$2.00 to \$5.00.

ASPARAGUS Plumosus (Lace Fern.) Fine for table decoration. 2½-inch, each, 20c; doz., \$2.00; 4-inch, each, 35c; doz., \$3.60. **Sprengeri.** Suitable for hanging baskets and porch boxes. 2½-in. pots. Each, 20c; doz., \$2.00. 4-in. pots. Each, 35c; doz., \$3.60.

BEGONIA, Gloire de Chatelaine. Silvery pink, compact habit, strong, vigorous grower. Strong 4-inch, each, 50c.

Chatelaine Supreme. This variety is an improvement on Chatelaine same color (silvery pink), but much larger flowers and a strong, vigorous grower. Each, 35c.; larger plants, each, 50c.

Luminosa. Bright scarlet foliage turning red when planted outdoors. Each, 20c; doz., \$1.50; larger plants, each, 35c.

Prima Donna. Limpid rose shading to carmine at the center. Each, 20c; doz., \$1.50; larger plants, each, 35c.

CALADIUMS, Fancy Leaved. Named varieties for conservatories or planting outside in partially shaded borders when ground is warm. Dormant bulbs, ready in January, each 40 cents; doz. \$4.20, postpaid.

CHRYSANthemUMS. Bush plants in bloom, ready for delivery from October 20th to November 20th, in all colors.

\$1.00; \$1.50; \$2.50; \$4.00 and \$5.00 each (by express.)

CROTONS. The richest of all variegated plants, fine for indoor culture.

Plants, each 50 cents; specimens, each \$1.00, \$1.50, (by express.)

CYCLAMEN. Dark Crimson, Dark Rose, White and Pink. 4-inch pots. Each 50c to 75c; 5-inch pots, each \$1.00 to \$1.50; 6-inch pots, each \$2.00 to \$3.00.

DIEFFENBACHIA Magnifica (Shining Comb.) Green foliage, variegated with white. Each, 50c. to \$1.50.

DRACAENA Fragens. An excellent house plant with broad dark green foliage, grows under the most adverse conditions. Each, 75c to \$3.00.

Lord Wolsely. One of the best bright red varieties. Leaves are about 1 to 1½ inches wide. Each, 50c to \$1.00.

Massangeana. A beautiful variegated form of Fragens with broad green foliage, broad golden-yellow band through the center of each leaf. Each, \$1.00 to \$4.00.

Terminalis. Rich crimson foliage, marked with pink and white. Each, 50c.

FERNS, Boston. Long, gracefully drooping fronds which frequently attain a length of six feet. Called by many the Fountain Fern. Deserves wide use as a house plant for tables or pedestals.

Verona. A handsome new variety of the Elegantissima type, somewhat resembling the N. Whitmani, but with finer ostrich plume foliage and with a stiffer midrib which makes the fronds stand up better than most varieties of the lace ferns.

Price of above ferns, 25 cents each; 3 for 65 cents, postpaid. Larger plants, 50 cents, 85 cents, \$1.75. Specimens, \$3.00 to \$6.00. All by express.

FICUS Elastica (Rubber Tree). Well-known reliable plant for rooms and halls. Strong plants, \$1.00 to \$3.00 each, by express.

FICUS Repens. A trailing or creeping variety with small foliage; useful for baskets. Small plants, each 20 cents; 3 for 50 cents, postpaid. Larger plants, each 35 cents.

FUCHSIA Black Prince. A misnomer as far as the name is concerned, being of a bright, waxy-carmine; tube and petals large and broad, with pale green tips; large open pale-pink corolla.

Elm City sepals, a rich crimson; corolla deep purple and very double, free-flowering and easy to grow.

Mrs. E. G. Hill. Compact grower, making a nice shapely plant, sepals bright crimson, white corolla, double.

Speciosa. A thrifty grower with ornamental foliage, the green leaves showing red veins at the base. Flowers single with pale-carmine sepals and deep-scarlet corolla.

Trailing Queen. A lovely drooping habit displaying a mass of beautiful foliage and large flowers of rosy-scarlet and violet-purple color. Flowers borne in clusters; buds long and graceful. Each Doz.

Price of above, 4-inch pots.....\$0.35 \$3.00

PANDANUS Veitchii. Variegated green and white. \$1.00, \$2.00, \$3.00 and \$4.00 each. (Exp.)

POINSETTIA PULCHERRIMA. The well-known Christmas plant; forming scarlet bracts from 6 to 12 inches across. Small plants, each 20c; 3 for 50c, postpaid. Larger, bushy plants, 5-inch, \$1.25; 6-inch, \$1.75; 7-inch, \$2.50.

PRIMULA Obconica. No other winter-flowering plant can approach this beautiful Primula. The colors are perfectly clear and of great brilliancy, pure white, Enchantress-pink, clear rose and brilliant carmine. 2½-in. pots. Each, 20c; doz., \$2.00. 4-in. pots. Each, 40c; doz., \$4.20.

SANSEVIERA Zeylanica. An elegant variegated plant especially adapted for house decoration, the thick, leathery leaves standing the heat and dust of the house with impunity. Each, 35c to 75c.

SCILLA Maritima (Sea Onion.) An ornamental plant, the scaly layers of the bulbs being used for making Syrup of Squills. Each, 25c and 35c.

SOLANUM CLEVELANDI. This is a useful pot plant for winter decoration. It is of dwarf branching habit, leaves small and oval-shaped; bearing bright scarlet berries. 4-inch plants, each, 60c; 5-inch, 85c.

TRADESCANTIA Tricolor. (Wandering Jew). Most beautifully variegated purple, scarlet and white. Each, 15c; doz., \$1.50.

VERBENA. Lemon-scented. Delightful fragrance. Each, 25c; doz., \$2.00. Large plants, 40c each.



BOSTON FERN

Ornamental and Flowering Shrubs



BERBERIS THUNBERGII—Japanese Barberry

Visitors are invited to our nursery to inspect our stock of Ornamental Shrubs, Fruit and Shade Trees, etc. We have a choice lot of specimens such as are not usually seen. Our nursery is located at Western Springs, (15 miles west of Chicago on C. B. & Q. R.R.), two blocks South of 47th Street, the continuation of East Boulevard.

The Planting Season is limited by climatic conditions and by the stage of growth of the trees and plants. In Spring the planting season begins as soon as the frost is out of the ground sufficiently to permit digging, and continues until about June first. Toward the last of the summer the evergreens are the first to complete their growing season, and are usually ready for transplanting by the end of August. Deciduous trees and plants may be moved as soon as the leaves have performed their functions, which is generally at the time of the first frost in the fall, about the 1st of October. The fall season lasts until the ground becomes frozen too hard to allow digging, about December 1st.

A denotes shrubs which attain 9 to 12 feet in height at maturity.

B denotes shrubs which attain 5 to 8 feet in height at maturity.

C denotes shrubs which attain 1 to 4 feet in height at maturity.

Our Shrubs are transplanted every two or three years and are furnished with plenty of fibrous roots and should not be compared with stock that is seldom transplanted or never moved from cutting beds until sold.

Specimens. This term is applied to shrubs that are perfect both in height and diameter as well as shape, and are recommended where immediate effect is desired.

Non-Warranty. Most of the failures with trees and plants are due to improper planting, unfavorable soil or weather conditions, or other causes beyond the control of the nurseryman. Beyond the guarantee that all stock is in a live and healthy condition when it leaves our hands, we give no warranty as to description, quality, productiveness or growth of any of the trees, plants, or shrubs that we send out, nor will we be in any way responsible for the results obtained through their use. Every order for articles named in this catalogue will be executed under these conditions only. It is obvious, however, that we can afford to send out only such stock as will not only grow well, but prove true to name and description.

ABOUT PRICES OF TREES AND SHRUBS

Where the price each is given, the following are our rates for 10 of a kind.

| Each | 10 | Each | 10 |
|------|--------|--------|--------|
| 40c | \$3.50 | 70c | \$6.50 |
| 45c | 4.00 | 75c | 7.00 |
| 50c | 4.50 | 80c | 7.50 |
| 55c | 5.00 | 85c | 8.00 |
| 60c | 5.50 | \$1.00 | 8.50 |
| 65c | 6.00 | | |

Less than 5 plants of a kind will be charged at the Each rate.

Where personal selection of any stock is made by customers at our Nursery we always charge according to its value.

No Trees, Shrubs or other perishable stock are sent C. O. D.

Ask for Pamphlet "Planting Suggestions" Useful advice Free



A VIEW OF OUR NURSERIES

IMPORTANT. Unpack and examine all packages on arrival, and if roots are dry, give a good soaking with water. Never let trees lie about with their roots exposed to the air. If several have to be planted, open a trench and "heel in" the roots, and then plant at your leisure.

ALMOND, DOUBLE-FLOWERING (A) } Plant in Spring.
ALTHEA FRUTEX (Rose of Sharon)

AMELANCHIER (June-Berry or Shad-Bush) (B)

Vulgaris. This variety blooms in early summer. The flowers are white and are followed by black or purplish berries, which are juicy and sweet. The leaves color beautifully in the fall. 2 to 3 ft. 75c.

AMORPHA (B)

Hardy, free-flowering shrubs, with feathery foliage, adapted to sunny locations. Very valuable for border plantings or for massing on banks and slopes.

Fruticosa (False Indigo). A large, spreading bush with pinnate leaves and slender spikes of deep purple flowers; blooms in June and July, after most of the spring-flowering shrubs are over. 2 to 3 ft. 75c.

ARALIA (The Angelica Tree)

The luxuriant, tropical aspect of these plants is extremely charming. The large compound leaves, often 3 or 4 feet long, the huge panicles of creamy-white flowers, and, in autumn, the wealth of dark purple berries disposed in numerous globe-like clusters—these constitute some of the glories of the Aralias. They are small trees or bushes, relatively hardy, with the larger or tree-like stems surrounded at the base by smaller, unbranched shoots.

Pentaphylla. (B). A pretty Japanese shrub of medium size, rapid growth, branches furnished with spines, leaves five-lobed. 3 to 4 ft., bushy, 75c; 4 to 5 ft., 90c.

Spinosa (Hercule's Club). (A). A large shrub of semi-tropical appearance. Very prickly stem. Bears immense clusters of white flowers. 4 to 5 ft., \$1.00; 5 to 6 ft., \$1 25.

BERBERIS (Barberry)

The following varieties are all "safe" ones. Only the Vulgaris, green-leaved and purple-leaved, are harmful as declared by the U. S. Department of Agriculture.

Illicifolia. (Holly-leaved Barberry). (B). The thick, spiny evergreen leaves of this species give it a very close resemblance to the Holly. The attractive, glossy, dark green, prickly foliage remains on well into the winter. 2 to 2½ ft., \$1.35; 2½ to 3 ft. Specimens, \$1.50.

These prices are for stock with ball of earth and burlapped.

Thunbergii. (Japanese Barberry). (B). One of the most beautiful shrubs either for hedging or general purposes. It is of a neat, compact growth and never need be touched with the shears. The foliage is beautiful at all times, and in the fall turns to a most brilliant crimson color. The plant is literally covered with bright scarlet berries all the fall and winter. It seldom grows over 4 ft. high. It is fine for the edge of a terrace and along roads and walks, and is justly popular as a hedge plant, forming without clipping a low dense hedge of surpassing grace and beauty, or by the free use of the shears, a formal hedge of great density and durability.

2-year, 12 to 18-inch, each, 50c; per 100, \$35.00.

3-year, 18 to 24-inch, each, 60c; per 100, \$40.00.

4-year, 24 to 30-inch, bushy, 75c; per 100, \$50.00.

BOX - BARBERRY (C)

The New Hardy Edging and Dwarf Hedge

A dwarf, upright form of the familiar Berberis Thunbergii; it is perfectly hardy, thriving wherever Berberis Thunbergii grows. It does not carry wheat rust.

Box-Barberry lends itself most happily to low edgings for formal gardens, when set about four inches apart. It also makes a beautiful low hedge when set 6 to 8 inches apart. The foliage is light green, changing in autumn to dazzling red and yellow. We offer 3-year field plants, each, 65c; 10 for \$5.50; per 100, \$45.00.



BECHTEL'S DOUBLE-FLOWERING CRAB

CALYCANTHUS FLORIDUS (Sweet Shrub) (A)

The Calycanthus is one of the most desirable shrubs. The wood is fragrant. Flowers are of a rare chocolate color, having an exquisite pineapple fragrance. They bloom in June and throughout the summer. 2 to 3 ft., bushy, 75c.

CEPHALANTHUS OCCIDENTALIS (Button Bush) (B)

A hardy vigorous shrub with large glossy foliage and attractive white flowers. Thrives best in moist loamy soil. Very valuable for waterside planting, especially when fully exposed to the sun. 2 to 3 ft., 60c.

CERASUS (Flowering Cherry) (A)

With but a few exceptions there are none of the Spring-flowering shrubs that excel these in beauty when covered with their wealth of blossoms. Plant them around the lawn, near walks, or other conspicuous places where they can be admired by everybody.

Virginica (Choke Cherry). A handsome shrub or small tree with small racemes of beautiful white flowers. Leaves dark green, oval in shape, turning to yellow before falling. Fruit so dark a purple as to be nearly black. 5 to 6 ft., \$1.00.

CORCHORUS (Kerria) (B)

(The Globe Flower or Japanese Rose)

Japonicus. A shrub 4 to 6 feet tall. Native of Japan. Leaves bright green, fading in autumn with tones of yellow. Flowers numerous, bright yellow, large and showy. A charming old-fashioned plant. 2 to 3 ft., extra bushy, 90c.

CORNUS (Dogwood) (B)

Hardy and vigorous shrubs, thriving best in moist, fertile soils. In addition, to the showy flowers and fruits which characterize most of the species, they are very attractive objects in winter on account of the brilliant color of the bark of the young shoots and twigs. Valuable for borders and waterside planting.

Mascula. (Cornelian Cherry). (B). One of the earliest of spring-blooming shrubs bearing a profusion of small, yellow flowers along its naked branches in early days of April. Bright red berries the size of small cherries. 4 to 5 ft., 80c; 5 to 6 ft., \$1.00.

Sanguinea. (Red-branched Dogwood). (B). Very conspicuous and ornamental. Bark in winter blood-red. 2 to 3 ft., 60c.

Sericea (Silky Dogwood). A spreading shrub with reddish-purple twigs. Leaves dark green, pale underneath. Flowers creamy-white in flat-topped clusters. Berries blue. 2 to 3 ft., 50c; 3 to 4 ft., 65c.

Sibirica. (Siberian Red Osier). An upright shrub with bright blood-red branches. Native of Siberia. Flowers creamy white in numerous small flat-topped clusters. Fruit light blue or bluish-white. Usually 6 to 10 feet tall. Very brilliant, especially in early spring, when the bark is intensely colored. 2 to 3 ft., 60c; 3 to 4 ft., 75c.

Stolonifera (Red Osier Dogwood). Prostrate stems with red bark. Very effective in winter and a hardy grower. Flowers creamy-white in flat-topped clusters. Berries white. 3 to 4 ft., 65c; 4 to 5 ft., 75c.

Stolonifera Aurea. (Golden-twigged Osier). A variety with golden-yellow bark, very attractive. Planted in masses with the red-barked varieties, an effective and striking contrast may be secured. It is perfectly hardy. 2 to 3 ft. 65c.

CRAB (Bechtel's Double-Flowering) (A)

Most beautiful of all the flowering Crabs; hardy. Trees of medium size are covered in early spring with large, beautiful, double, fragrant flowers resembling small roses of a delicate pink. This is the ideal lawn tree for a small yard. 4 to 5 ft., extra fine, \$2.75.

CYDONIA (Pyrus)

Hardy shrubs with handsome flowers in early spring. They are invaluable for border or garden planting, and make beautiful informal or clipped hedges. The fragrant fruits are often used for making a tart, delicious jelly. They thrive in almost any well-drained soil.

Japonica. (Japan Quince). (B). A single shrub on the lawn is very attractive; brilliant crimson flowers, among the first in spring. Valuable for ornamental hedges. 3 to 4 ft., 85c; 4 to 5 ft., \$1.00.

There are many out-of-the-way places where a grape vine would flourish and bear abundant luscious fruit. Why not plant six or more vines? Bury any old bones or decayed animal matter near or under the roots.

DEUTZIA

We are indebted to Japan for this valuable genus of plants. Their hardihood, fine habit, luxuriant foliage and profusion of attractive flowers place them among the most beautiful and most popular of flowering shrubs. Flowers in June and through July and August. Of easy culture, thriving in almost any well-drained soil.

Pride of Rochester. (B). A variety of *Deutzia Crenata Flore Pleno*, and producing large double white flowers; back of the petals slightly tinted with rose. It excels all the older sorts in size of flower, length of panicle, profuseness of bloom and vigorous habit. 2 to 3 ft., 60c.

ELEAGNUS (Silver Thorn)

Angustifolia. (Russian Olive). (B). A large shrub with silvery, often spiny branches. Leaves light green above, silvery-white beneath, lanceolate, 2 to 3 inches long. Flowers yellow within, silvery on the outside, fragrant. Berries yellow, coated with silver scales. 2 to 3 ft., 60c.

EUONYMUS (Strawberry or Burning Bush)

Hardy shrubs with showy fruits, noted for the intense coloring of the fall foliage. They are well adapted for specimen plants or for massing in the shrub borders. They require moist, loamy soil.

Alatus. (Winged Burning Bush). (B). Dwarf, compact habit. Wood corky; leaves small; fruit red; very beautiful in autumn when the foliage turns bright red. One of the prettiest of shrubs for specimens on the lawn. 3 to 4 ft., extra bushy, \$2.00; balled and burlaped, 6 to 8 ft., Specimens, \$3.00 to \$10.00.

Europaeus. (European Spindle Tree). A tall, erect shrub or low tree, usually 10 to 15 ft. high. Flowers yellow. Rose-colored fruit. 6 to 7 ft., \$1.50.

FORSYTHIA (Golden Bell)

These are pretty shrubs of medium size. All natives of China and Japan. The flowers are drooping, golden-yellow, and appear very early in spring before the leaves. The best very early-flowering shrubs. Admired by thousands in Chicago Parks. They should be planted where they will receive the full benefit of early spring sunshine.

Intermedia. Flowers bright yellow, glossy green foliage. 2 to 3 ft., extra bushy, 60c; per 100, \$40.00; 3 to 4 ft., 75c.

HIPPOPHAEA RHAMNOIDES (Sea Buckthorn) (B)

A large shrub with spine-tipped branches. Flowers yellowish, produced in short clusters in spring. Berries, orange or bright orange-red, maturing in early autumn. Good for embankments or bluffs near the sea-shore. 4 to 5 ft., 75c.

HYDRANGEA**ARBORESCENS GRANDIFLORA "SNOWBALL" (C)**

This new American Hydrangea was found growing wild some years ago in the woods of Ohio and is one of the most beautiful hardy flowering shrubs. Its greatest value, aside from its beauty, is that it comes into bloom just after the flowering time of the Lilacs, Syringas, Viburnums and spring-flowering Spiraeas and continues on into August. The panicle is more like a Snowball in form and size than *Paniculata Grandiflora* (hence the name), and is a pure white. It thrives well in various soils but requires shade. 2-yr., 75c; 3-yr., \$1.00.

HYDRANGEA PANICULATA GRANDIFLORA (A)

Tens of thousands of this noble summer and autumn-flowering shrub have been sold the past few years, and the demand is now universal. They grow to a height of 8 to 10 feet, and are absolutely hardy, grow in any soil and bloom the same year they are set out. They flower abundantly, bearing immense panicles of bloom a foot long, white at first, turning to rose in autumn, commencing to bloom in August, when very few shrubs are in bloom. An annual shortening of branches tends to increase the size of the flowers. 2-yr., bushy, 75c; 3-yr., bushy, \$1.00; 4-year, bushy, \$1.25.

(Tree Form) (A)

These plants have a clear stem with a bushy top, making a grand show when in flower. Extra selected. 2½ to 3 ft. stems, \$2.00.



FORSYTHIA INTERMEDIA



HYDRANGEA (Snowball)

LIGUSTRUM (Privet)

The Privet is now one of the best-known shrubs, both for hedging and for ornamental planting on the lawn. All of the varieties offered have merit some for their foliage, some for their berries. They are almost evergreen and of dense habit, and bear shearing to any extent.

Amurensis. (Amoor Privet). (B). A large shrub with upright branches. Leaves dark green and lustrous, tardily deciduous, or in the South nearly evergreen. Flowers white, in erect panicles. Splendid for hedges. Very similar to the California Privet so universally used for hedging in the East, but unlike it here in that the Amoor is hardy. 2 to 3 ft., extra bushy, 50c; per 100, \$27.50; 3 to 4 ft., extra bushy, 60c; per 100, \$35.00.

Obot. (Chinese Privet). (B). A valuable hardy Privet for the western and northern states. It is almost evergreen and grows freely in all soils. Compact and regular in form, and bears shearing to any extent. Flowers white and fragrant; leaves long and shiny. A charming shrub for hedges or specimens. 2 to 3 ft., extra bushy, 50c; per 100, \$28.00; 3 to 4 ft., extra bushy, 60c; per 100, \$35.00; 4 to 5 ft., each, 75c; per 100, \$45.00.

Ibolium. A cross between the California variety and the hardy Chinese type, Obot. It is upright in its habit, with glossy, round foliage, and fills out even fuller at the bottom than does the California Privet. 18 to 24 in., 50c; per 100, \$27.50.

LONICERA (Bush Honeysuckle)

Handsome upright shrubs, with showy flowers and bright berries. They thrive in almost any fertile soil, and in most instances prefer sunny situations. Invaluable for border or mass planting. Other species are described under "Vines."

Bella Candida. A fine variety, producing fruit of red color in great profusion. 3 to 4 ft., 75c; per 100, \$50.00; 4 to 5 ft., 90c; per 100, \$60.00.

Morrowii. (Japanese Bush Honeysuckle). (B). A strong vigorous grower, round topped, perfect in shape with lower branches spread out over the ground. Pure white flowers produced in May and June, followed by brilliant red berries. Lovers of handsome, hardy shrubs, will be well repaid by planting this one. 3 to 4 ft., 75c; per 100, \$50.00; 4 to 5 ft., 90c; per 100, \$60.00.

Ruprechtiana. A new early-flowering variety with showy white flowers, well set with bright red berries in June. 3 to 4 ft., 60c.

Tatarica. A large shrub with numerous upright branches. Flowers white or pink, borne in great profusion in late spring. Fruit red or orange, ripening in summer and persisting until autumn. 4 to 5 ft., 90c; per 100, \$60.00.

Tatarica Rosea (Pink Tatarian). (B). 3 to 4 ft., 75c; per 100, \$50.00.

Tatarica Rubra (Red Tatarian). 3 to 4 ft., 75c; per 100, \$50.00.

LYCIUM (Matrimony Vine)

An old-fashioned hardy shrub with a wealth of scarlet berries. It thrives in almost any fertile soil. The long branches may be trained over fences or trellises, but more effective results may be obtained by planting at the top of retaining walls or steep banks and allowing the graceful stem to fall over.

Barbarum. 3-year, 60c; per 100, \$40.00.

LILAC (True Syringa) (B)

The old-fashioned Purple Lilac has a delicious fragrance that haunts the memory from one blooming season to another. None of our shrubs have been as highly developed under cultivation as has the lilac. The best new varieties have immense clusters of large plumes laden with sweetness. Some are double, some single, and the white, reddish purple, and blue varieties, lend themselves to many color schemes. The lilac grows rapidly, flowers profusely, has rich beautiful green foliage, free from insects. The cut flowers from the improved varieties find a ready sale on the city markets.

Now and Rare Varieties

Diderot. Single, enormous panicles. One foot long, with large claret-purple flowers; very free.

Emil Gentil. Double, large panicles of bright cobalt-blue, a very rare shade among lilacs.

Jean Mace. Double, broad, compact panicles, irregular flowers, mauve, fading to bluish, an early and very floriferous variety.

President Fallieres. Enormous trusses, very large incurved flowers of pale lilac pink; late flowering; a very fine variety, double.

President Loubet. Double, large purple flowers, with red buds.

Vestale. Single, enormous panicles, large individual flowers, pure white; a very attractive variety.

Prices of above: 1 year, 12 to 18 in., each, \$2.00; 3 for \$5.50; 6 for \$10.00; 12 for \$19.00.

LILACS—Continued.**Early Lilacs (Syringa Giraldi)**

Recently introduced from China, is remarkable for its flowering a week or two before the other sorts. A cross between it and of the early-flowering lilacs, originated a new race of tall-growing lilacs which expand their flowers before the lilacs now known.

Berryer. Double, long trusses of semi-double mauve flowers.

Claude Bernard. Double, a rapid-growing variety with long trusses of double or semi-double bright mauve lilac flowers; very early.

Lamartine. Single, beautiful trusses of mauve-pink flowers, showy and very early.

Mirabeau. Single, very large, mauve flowers; the earliest of all.

Pascal. Single, pure lilac; very free.

Vauban. Double, regular pale mauve-pink flowers, very free.

Prices of above: 1 year, 12 to 18 in., each, \$2.00; 3 for \$5.50; 6 for \$10.00; 12 for \$19.00.

Charles X. A strong, rapid-growing variety, with large, shining leaves; trusses large, of a reddish-purple color. 3 to 4 ft., \$1.50; 4 to 5 ft., \$2.00.

Japonica. June. Glossy, leathery leaves. It is quite hardy, and the yellowish white flowers come after other lilacs are through blooming. 4 to 5 ft., \$1.75.

Josikaea. (Hungarian Lilac). Has dark lilac-colored flowers. It blooms the first week in June. It is distinct and valuable. 4 to 5 ft., \$1.50.

Mad. Lemoine. Double pure white flowers, borne in large clusters. Strong bushes. 4 to 5 ft., \$2.00; 5 to 6 ft., \$2.50.

Marie LeGraye. Large panicles of white flowers. Valuable for forcing. The finest white lilac. 4 to 5 ft., \$1.75; 5 to 6 ft., \$2.00.

Michael Buchner. Dwarf plant, vigorous. Double flowers of pale lilac color. 4 to 5 ft., \$2.00.

Persian Purple. A pretty variety with small leaves and rather loose panicles of pale lilac flowers; slender, arching branches. Does not mildew. 2 to 3 ft., 85c; 3 to 4 ft., \$1.00.

Souvenir de Louis Spach. A distinct and most beautiful variety having immense trusses of deep purplish-red with enormous flowers. 4 to 5 ft., \$2.00.

Vulgaris. Purpurea. (Common Purple Lilac). The well-known, old-fashioned lilac so common in our gardens. It is hardy and vigorous, endures neglect and blooms abundantly. Purple flowers in early May. 3 to 4 ft., 75c; per 100, \$60.00; 4 to 5 ft., 85c; per 100, \$65.00; 5 to 6 ft., \$1.00; per 100, \$80.00; 7 to 8 ft., \$1.50.

LILAC TREE FORM

Japonica. A unique species from Japan becoming a good sized tree with glossy leathery leaves. It is quite hardy, and the creamy-white flowers in large panicles bloom a month later than other lilacs, and for this reason it is especially desirable. 6 to 7 ft., \$3.00.



LILAC JAPONICA



PHILADELPHUS GRANDIFLORUS

MALUS (Pyrus)

Arbutifolia (Chokeberry). Clusters of small white flowers in May succeeded in August by bright red berries that remain until winter. Bright crimson autumn foliage. 3 to 4 ft., 80c.

Nigra. (Black Chokeberry). Dwarfier than the *Arbutifolia*, seldom reaching 6 ft. Its flowers are slightly tinged with red and its fruit ripen to a shiny jet black. 3 to 4 ft., 80c.

Bechtel's Double Flowering Crab—See page 5.

Niedzwetzkyana. Showy, deep pink flowers; purplish fruit; very fine and ornamental. 7 to 8 ft., \$2.50.

Spectabilis Fl. Albo Pleno. Chinese Double White Flowered Crab. 7 to 8 ft. Specimens, \$2.50.

MORUS (Mulberry)

Tatarica. (Russian) 20 to 25 ft. Hardier in the northwest than all others. 3 to 4 ft., 50c; per 100, \$35.00; 7 to 8 ft., \$1.00.

PHILADELPHUS OR SYRINGA (Mock Orange)

Indispensable well-known shrubs that are prized for their beautiful foliage and white flowers. The taller kinds flower profusely and nothing is finer in their season; while the dwarf varieties do not bloom so lavishly, they form pretty, compact bushes, useful for the front of shrubberies.

Bouquet Blanc. Double or semi-double flowers; very floriferous. 4 to 5 ft., \$1.00.

Coronarius. (Common Mock Orange.) Flowers pure white and very fragrant. Blooms in May and June in great profusion. 3 to 4 ft., 75c; per 100, \$50.00.

Coronarius Aureus. (Golden Leaved Mock Orange). Much prized for its bright effect. 12 to 18-inch., 75c.

Grandiflorus (A). (Large-flowered Syringa or Mock Orange). Without a doubt one of the most popular shrubs grown, and ought to be in every garden, no matter how small. Flowers are pure white, very large and it is one of the most free-flowering of the genus. 3 to 4 ft., bushy, 75c; per 100, \$50.00.

Lemoinei Couquette. Branches thin and flexible. Flowers large, double, irregular, with narrow sepals, tulip-shaped; very sweet and floriferous. 3 to 4 ft., 90c.

Lemoinei Erectus (B). A charming variety of erect growth; creamy-white fragrant flowers, smaller than the other varieties, but very attractive. Distinguished by its smaller leaves. 4 to 5 ft., bushy, \$1.00.

Virginal. (New.) A beautiful variety. A vigorous, tall grower, with very large, double-crested flowers; borne in great quantities. Pure white and sweetly scented. 12 to 18 in., 75c.

PRIVET. See *Ligustrum*.

PRUNUS (Plum)**Ornamental and Flowering Varieties.**

Pissardi (A). (Purple-leaved Plum.) A small tree shrub. The young branches are a dark purple; the leaves, when young, are lustrous crimson, changing to a dark purple, and retain this beautiful tint until they drop, late in autumn. The tree is covered early in the spring with small, single white flowers, which appear before the leaves. Beautiful as lawn specimens, or grouped with other shrubs and trees for foliage effect. 5 to 6 ft., \$1.75.

Triloba (B). (Double-flowered Plum). Native of China. A very desirable addition to hardy shrubs; flowers double, of a delicate pink, upwards of an inch in diameter, thickly set on the long, slender branches; flowers in May before the leaves unfold. 3 to 4 ft., \$1.50.

PTELEA (Hop Tree)

Trifoliata. A large shrub or small tree of rapid growth and robust habit. Fruit winged, and in clusters, flowers in June. Succeeds well in the shade. 4 to 5 ft., \$1.00.

RHAMNUS (Buckthorn)

Hardy vigorous shrubs with handsome foliage and showy berries. The larger-growing species are well adapted and often used for hedges, both informal and clipped. They thrive in moist, loamy soils and are not adverse to partial shade.

Catharticus. (A). A fine, robust shrub, with dark green foliage, white flowers and small, black fruit. A popular hedge plant. 5 to 6 ft., 75c; per 100, \$50.00.

Frangula. (Alder Buckthorn). (B). A valuable and decorative species of erect habit with glossy leaves and black berries. Its long black branches speckled with white are very attractive in winter. 5 to 6 ft., 90c.

RHODOTYPOS (White Kerria)

Kerrioides (C). A very ornamental Japanese shrub of medium size with handsome foliage and large single white flowers in the latter part of May, succeeded by numerous black berries. 2 to 3 ft., 70c.

RHUS (Sumach)

Aromatica (Fragrant Sumach). (C). A low shrub with a peculiar aromatic odor when bruised. Brilliant red foliage in autumn. 2 to 3 ft., 70c.

Copallina (Dwarf or Shining Sumach). (C). Beautiful shining green foliage changing to rich crimson in autumn. Greenish yellow flowers in August. 3 to 4 ft., 70c.

Glabra (Smooth Sumach). A shrub or low tree with an open crown. Leaves compound, dark green above, whitened beneath, turning brilliant scarlet in autumn. Flowers in large terminal panicles, soon followed by the crimson fruiting clusters, which persist all winter. Beautiful for massive effects. 4 to 5 ft., 60c.

Glabra Laciniata (Cut-leaved Sumach). A very striking plant, of moderate size, with deeply cut leaves resembling rich fern leaves; dark green above and glaucous below, and turning to a rich red in autumn. 2 to 3 ft., 60c; 3 to 4 ft., 75c.

Typhina Laciniata. (Fern-leaved Staghorn Sumach). As its name indicates, the branches resemble the elk's horn while developing, and it is one of the most tropical-looking native shrubs we possess. The foliage is finely cut and turns a golden-yellow in the fall. Attains a height of 20 ft. 3 to 4 ft., 50c; 4 to 5 ft., 60c.

ROSA (Rose)

Blanda (Meadow Rose). Pink flowers, followed by red berries. Very ornamental in winter. 3-yr., 50c; per 100, \$30.00.

F. J. Grootendorst. This is a *Polyantha Rugosa* and something new in this class. It has the blooming qualities of the *Polyanthas*, and the rugged, hardy growth and shiny, leathery foliage of the *Rugosas*. The blooms come in clusters of a rich red color. If you want a hedge of a hardy red rose that grows 4 to 5 ft. high, we strongly recommend this one. 2-yr., \$1.00.

Rosa Hugonis. Fine for shrub planting, as it reaches a height of 6 feet when fully matured. The long, arching branches are thickly set with the lovely single yellow flowers in May, and it is one of the earliest roses to bloom. Makes a very spectacular show. Never winter-kills. Strong 2-year-old plants, each, \$1.50.

Lucida. Single bright pink flowers, with bright red bark and berries in winter. 2-yr., 50c; per 100, \$30.00.

Rubiginosa. (True English Sweet Briar). This is the true *Eglantine*. It is perfectly hardy, and once it is planted, little, if any, care is necessary. 3-yr., 70c.

Rugosa Alba. Like *Rugosa Rubra*, only flowers are pure white. 3-yr., 80c.

Rugosa Rubra. This red-flowered single Japanese rose is very valuable for shrubberies. Bright pink flowers in May, with large tomato-like berries in winter. 2-yr., 80c; per 100, \$60.00.

Setigera (Prairie Rose). Small, single pink flowers and extra fine foliage, sometimes called the bramble-leaved rose. 3-yr., 75c; per 100, \$50.00.



ROSA HUGONIS



WEIGELIA ROSEA

SALIX (Willow)

The Willows will grow anywhere, but do best in rich moist soil. They are particularly valuable as among the few trees that will endure the harsh winds of the sea-coast. Make attractive clumps in neighborhood of ponds and streams.

Britzensis. Of particular beauty in winter; the color of the bark changes with the approach of cold weather, taking on a flame or bronze color, and this is maintained until spring. Very effective when the ground is covered with snow. 5 to 6 ft., 75c.

Discolor (Pussy Willow). A small tree with upright or ascending branches. Catkins appearing in early spring before the leaves come out. Very handsome in flower and greatly esteemed. 3 to 4 ft., 65c; per 100, \$50.00.

Laurifolia. (Laurel-leaved Willow). A rapid grower, erect form, with broad glossy, dark green leaves; admirable for sea-shore and narrow streets. 4 to 5 ft., 75c.

SAMBUCUS (Elder)

Hardy vigorous growing shrubs with ornamented foliage, flowers and fruit. Will thrive in all soils but give best fruiting results in that of a moist nature. The Golden Elder is one of the finest golden-leaved shrubs and is very useful. It shows its color best in a dry soil.

Canadensis. (Common Elder). Pithy stems, with compound leaves; broad heads of white flowers in June, and dark red berries in autumn. 2 to 3 ft., 65c.

Nigra. (European Elder.) Fineshrub for massing; flowers creamy; fruit black. 3 to 4 ft., 75c.

Nigra Aurea. (A). (Golden-leaved). The golden foliage of this makes it much demand. It makes a showy appearance when planted in shrub beds. 3 to 4 ft., 75c.

Nigra Laciniata. (Cut Leaved Elder). The leaves of this variety are fern-like in formation and the shrub is of half-drooping habit. One of the finest in cultivation; especially effective in masses. 3 to 4 ft., 75c.

SHAD BUSH. See Amelanchier.

SILVER THORN. See Eleagnus.

SNOWBALLS. See Viburnum.

SNOWBERRY. See Symphoricarpos.

SWEET BRIAR. See Rosa Rubiginosa.

SWEET SHRUB. See Calycanthus.

SPIRAEA

A large group of showy, free-flowering, hardy shrubs. Some of the species bloom in early spring, others in midsummer, while some produce their flowers from summer until fall. All of easiest culture in all soils.

Anthony Waterer. (C). Perpetual-blooming Red Spiraea. A fine, hardy perpetual-blooming shrub, very desirable for the lawn. Makes nice, round bushes 3 ft. high and wide; beginning to bloom in summer, continuing until fall. Rose-red flowers in large, round clusters all over the bush. 18 to 24 in., 75c; per 100, \$50.00; 24 to 30 in., 85c; per 100, \$60.00.

Arguta Multiflora (Snow Garland). (B). A remarkably floriferous and showy shrub. Leaves narrow, bright green fading with tones of yellow and orange. Flowers pure white, borne in great profusion in early spring. Height 3 to 5 ft. One of the best of the early Spiraeas. 2 to 3 ft., 75c.

Bethlehemensis. Dull green foliage; dense spikes of pink flowers about six inches long; drooping branches; hardy; rapid in growth. 2 to 3 ft., 70c.

Billardii. (B). Pink flowers; blooms nearly all summer. It is a grand subject for planting in masses, and makes a good cut flower. 3 to 4 ft., 60c.

Callosa Alba. (Fortune's Dwarf White Spiraea). (C). A white flowering variety, of dwarf, bushy, symmetrical form. Keeps in flower all summer. A valuable small shrub. 18 to 24 in., 70c; per 100, \$50.00.

Callosa Froebeli. Low-growing shrub with bluish-green leaves. Mass of rich rose-colored blooms throughout summer. 18 to 24 in., 60c; per 100, \$40.00.

Opulifolia. (Nine Bark). (B). A tall shrub with spreading branches, growing 8 to 10 ft. high. Flowers whitish, in early summer, disposed in numerous clusters. Especially valuable for shaded places. 4 to 5 ft., extra bushy, 75c; per 100, \$50.00.

Opulifolia Aurea. (Golden-leaved Nine Bark). (B). Golden-yellow tinted foliage, and white flowers in June. Very conspicuous. 3 to 4 ft., 70c.

Sorbifolia (B). A vigorous species, with leaves like those of the Mountain Ash and long, elegant spikes of white flowers in July. 2 to 3 ft., 60c.

Thunbergii. (Thunberg's Spiraea). (B). Of dwarf habit and rounded, graceful form; branches slender and somewhat drooping; foliage narrow and yellowish green; flowers small, white, appearing early in spring, being one of the first Spiraeas to flower. When in bloom they appear as if covered with snow. 18 to 24 in., 65c.

SPIRAEA—Continued.

Van Houttei. (Bridal Wreath). (B). This is without a doubt the most beautiful and useful of shrubs. Always effective if planted singly or in groups on the lawn, in front of the porch, in shrub borders or in a hedge. Handsome throughout the entire year. Our stock is very large and in splendid condition. 2 to 3 ft., bushy, 60c; 10 for \$5.00; 100, \$40.00; 3 to 4 ft., bushy, 75c; 10 for \$6.50; 100 for \$50.00; 4 to 5 ft., bushy, \$1.00.

SYMPHORICARPUS**(The Coral-Berry, Indian Currant and Snowberry)**

Small native shrubs much used in shaded places and in open masses. Grow in almost any soil; quite hardy; very ornamental, when covered with berries.

Molle. (Large-berried Snowberry). (B). A compact growing form of the Snowberry with very large berries. 3 to 4 ft., 75c; 5 to 6 ft., 70c; per 100, \$45.00.

Racemosus. (Snowberry). (B). A graceful shrub, 3 to 5 ft. tall, with slender branches. Flowers white or pinkish, in loose racemes in summer followed by waxy, white berries, which remain almost until spring. 3 to 4 ft., 75c; 10 for \$6.50; per 100, \$50.00.

Vulgaris. (Coral-Berry or Indian Currant). (B). A grand shrub, producing a wealth of red or purplish berries which remain on the branches all winter. Leaves ovate, bright green. 3 to 4 ft., bushy, 60c; 10 for \$5.00; per 100, \$35.00.

TAMARIX (B)

Shrubs of strong but slender, upright growth, clothed in foliage as light and feathery as that of the asparagus. Their delicate fringed flowers are usually some warm shade of pink or red and so are very ornamental at the back of shrubbery borders and valuable for seaside.

Amurensis. A splendid hardy variety, with silky pink tassels; flowers all summer. 4 to 5 ft., 60c; per 100, \$40.00; 5 to 6 ft., 70c; per 100, \$45.00.

Chinensis. A vigorous, upright grower with delicate foliage of a lively green color; flowers of a rose color in September. 4 to 5 ft., 65c; per 100, \$45.00.

Hispida Aestivalis. A new variety of vigorous growth. The branches are covered half their length with numerous bright carmine-pink flowers. Blooms for a long time. 3 to 4 ft., 65c; per 100, \$45.00.

VIBURNUM**(The Arrow-woods, High Bush Cranberry and Snowballs)**

The Viburnums are one of the most useful shrubs, being very hardy and of good habit. They all have white flowers mostly on flat heads and with a few exceptions are noted for their handsome clusters of berries. The foliage assumes brilliant and intense color tones in the autumn.

Dentatum. (Arrow Wood). (B). May and June. A free-flowering shrub, especially admired for the abundance of its blue fruits that cling to the branches a long time. 2 to 3 ft., bushy, 75c.

Lentago. (Sheep Berry). Bright green leaves and yellowish-white flowers—deliciously scented; black oval berries. 2 to 3 ft., extra bushy, 75c.

Molle. (Glossy Viburnum). A variety similar to V. Dentatum, but differing from that variety by having larger foliage, is a more robust grower and flowers 2 to 3 weeks later. 3 to 4 ft., 75c.

Opulus. (High Bush Cranberry). (A). May. Spreading habit. Single white flowers borne in flat, imperfect clusters followed by clusters of red berries that cling to the leafless branches all winter. 3 to 4 ft., extra bushy, 80c; 4 to 5 ft., \$1.00.

Opulus Sterile. (The old-fashioned "Snowball Tree"). Large balls or globes of white flowers. Well known. 3 to 4 ft., 90c; 4 to 5 ft., \$1.10.

WEIGELIA (Diervilla) (B)

These shrubs bloom after the lilacs, in June and July. They make a strong growth, erect when young, gradually spreading and drooping into most graceful shapes with age. Their large flowers are of wide trumpet-shape, colors from white to red, and borne in clusters thickly along the branches.

Amabilis. Of robust habit. Large foliage and pink flowers. Blooms freely in the autumn. 2 to 3 ft., 80c.

Candida. White Weigelia, flowering throughout the summer. Unique and very attractive. 2 to 3 ft., 80c.

Rosea. A beautiful shrub, with rose-colored flowers. 2 to 3 ft., 80c; 3 to 4 ft., \$1.00.

Vaughan's Seed Store, Chicago, Ill.

Waukon, Iowa.

"Shrubbery I got from this house a year ago just doing fine."

Yours truly,

MRS. P. F. DEMPSEY.



SPIRAEA—Van Houttei (Bridal Wreath)



NORWAY MAPLE



A BLOCK OF EUROPEAN ELMS AT OUR NURSERIES



LOMBARDY POPLAR

Ornamental Trees

On orders for trees amounting to \$15.00 and over, we prepay freight charges within limits of Chicago, orders for smaller amounts are shipped charges collect.

"Ten Commandments"

Here are the "Ten Commandments of Tree Planting" as given by an eminent horticultural authority.

1. Do not allow roots to be exposed to the sun, drying winds or frost.
2. Prune with a sharp, clean cut any broken or injured roots.
3. Have the holes large enough to admit all the roots without cramping.
4. Plant in fine loam, enriched with thoroughly decomposed manure.
5. Do not allow any green, unfermented manure to come into contact with roots.
6. Spread out the roots in their natural position and work fine loam among them, making it firm and compact.
7. Do not plant too deep. Let upper roots be set an inch lower than before.
8. Remove all broken branches and cut back at least one-half of the previous year's growth of wood.
9. If the season lacks the usual rainfall water thoroughly twice a week.
10. Cultivate. Keep soil in dust mulch—cultivate.

ASH (Fraxinus)

A class of large, ornamental trees, adapted to a great variety of soils, of quite rapid growth and possessing many desirable characters for lawn, street and park planting.

Americana. (American White Ash). A fine tree that produces large clusters of greenish-white flowers on the ends of the branches in June. A desirable shade tree for street or lawn planting.

| Height | Caliper | Each | 10 for | 100 for |
|--------------|--------------|--------|---------|----------|
| 8 to 10 ft. | 1½ to 2 inch | \$2.50 | \$22.50 | \$200.00 |
| 10 to 12 ft. | 2 to 2½ inch | 3.50 | 32.50 | 300.00 |

CATALPA

The Catalpas flower in July when few trees are in bloom. Their blossoms are large, very showy, and quite fragrant. Leaves large, heart-shaped, and yellowish green. They are all effective, tropical-looking lawn trees.

Bungei. (Umbrella Tree). These beautiful globe-shaped tops being grafted high on clean straight stems form one of the most valuable trees for landscape designing, especially for formal effects. 2-year heads, 5 to 6 ft. stem, \$3.00 to \$4.00; 3-year heads, 4 to 5 ft. stem, \$3.00; 10 for \$25.00; 3-year heads, 5 to 6 ft. stem, \$4.00 to \$6.00.

Kaempferi. (Japanese Catalpa). A species of rapid growth, deep green, glossy foliage.

| Height | Caliper | Each | 10 for | 100 for |
|--------------|--------------|--------|---------|----------|
| 8 to 10 ft. | 1½ to 2 inch | \$2.50 | \$22.50 | \$150.00 |
| 10 to 12 ft. | 2 to 2½ inch | 3.00 | 25.00 | 200.00 |
| 12 to 14 ft. | 2½ to 3 inch | 4.00 | 35.00 | 300.00 |

Speciosa. (Western Catalpa). One of the most rapid growers, producing large panicles of fragrant white flowers delicately marked with violet and yellow. Reliable, hardy and extensively planted.

| Height | Caliper | Each | 10 for | 100 for |
|--------------|--------------|--------|---------|----------|
| 8 to 10 ft. | 1½ to 2 inch | \$2.50 | \$22.50 | \$150.00 |
| 10 to 12 ft. | 2 to 2½ inch | 3.00 | 25.00 | 200.00 |
| 12 to 14 ft. | 2½ to 3 inch | 4.00 | 35.00 | 300.00 |

GINGKO BILOBA (Maidenhair Tree)

THE value of this tree lies in the fact that it is immune from the ordinary attacks of insects and withstands so well the unnatural conditions of our cities. It is highly ornamental on lawns or public grounds.

| Height | Caliper | Each | 10 for | 100 for |
|--------------|--------------|--------|---------|----------|
| 8 to 10 ft. | 1½ to 2 inch | \$2.50 | \$22.50 | \$150.00 |
| 10 to 12 ft. | 2 to 2½ inch | 3.00 | 25.00 | 200.00 |
| 12 to 14 ft. | 2½ to 3 inch | 4.00 | 35.00 | 300.00 |

ELM (Ulmus)

Most Elms become very tall, with great spreading limbs. The trees live to a great age and are noted for their graceful and majestic appearance. All of them are excellent for large estates and parks, the most popular tree for street planting and for shading drives and avenues. When poplars are planted for immediate effect, elms and oaks should be planted at the same time for permanent growth. All Elms have been twice transplanted.

American. The noblest and most dignified tree in the world for the street.

Broad, arching branches with splendid dark green foliage, afford abundant shade.

| Height | Caliper | Each | 10 for | 100 for |
|--------------|--------------|--------|---------|----------|
| 8 to 10 ft. | 1½ to 2 inch | \$3.50 | \$32.50 | \$300.00 |
| 10 to 12 ft. | 2 to 2½ inch | 4.00 | 37.50 | 350.00 |
| 10 to 12 ft. | 2½ inch | 5.00 | 47.50 | 450.00 |
| 10 to 14 ft. | 3 inch | 7.00 | 67.50 | 650.00 |
| 12 to 14 ft. | 3½ inch | 10.00 | 95.00 | ..... |
| 14 to 16 ft. | 4 inch | 13.00 | 120.00 | ..... |

For larger trees and larger quantities, write for prices.

English Elm. (U. Campestris). Leaves deep rich green, persisting and holding their color longer than any other species. Extensively planted as a shade tree.

| Height | Caliper | Each | 10 for | 100 for |
|--------------|---------|--------|---------|---------|
| 10 to 12 ft. | 2½ inch | \$5.75 | \$55.00 | ..... |
| 12 to 14 ft. | 3 inch | 8.00 | 75.00 | ..... |
| 14 to 16 ft. | 3½ inch | 12.00 | 110.00 | ..... |
| 16 to 18 ft. | 4 inch | 16.00 | 150.00 | ..... |
| 16 to 18 ft. | 4½ inch | 20.00 | 190.00 | ..... |
| 18 to 20 ft. | 5 inch | 25.00 | 230.00 | ..... |
| 18 to 20 ft. | 5½ inch | 30.00 | 250.00 | ..... |

Write for prices on larger trees and quantities.

This is wonderfully fine stock and this type is much better suited to city conditions than the American Elm, which latter is best for the country.

Huntingdon Elm. (Ulmus Vegetus). Clean, smooth bark, erect, stately habit. Not as subject to attacks of insects as some kinds, and one of the very best ornamental trees for any purpose.

| Height | Caliper | Each | 10 for | 100 for |
|--------------|---------|--------|---------|---------|
| 12 to 14 ft. | 2½ inch | \$6.00 | \$55.00 | ..... |
| 14 to 16 ft. | 3 inch | 8.50 | 80.00 | ..... |

Purpurea. (Purple-leaved). A variety with large purple leaves in the spring, changing to dark green as season advances

| Height | Caliper | Each | 10 for | 100 for |
|--------------|---------|---------|--------|---------|
| 18 to 20 ft. | 4½ inch | \$18.00 | ..... | ..... |
| 18 to 20 ft. | 5 inch | 22.00 | ..... | ..... |

Scotch Elm. This is a splendid variety for street planting. They average 7 to 8 ft. clear stem

| Height | Caliper | Each | 10 for | 100 for |
|--------------|---------|--------|---------|---------|
| 10 to 12 ft. | 3 inch | \$9.00 | \$85.00 | ..... |
| 10 to 12 ft. | 3½ inch | 12.50 | 120.00 | ..... |
| 12 to 14 ft. | 4 inch | 17.50 | 170.00 | ..... |

Wheatleyi. (U. Campestris Wheatleyi). Attractive pyramidal Elm for avenue and street planting, with rather small leaves; retains its verdure the entire summer. Vigorous grower; very straight.

| Height | Caliper | Each | 10 for | 100 for |
|--------------|---------|--------|---------|---------|
| 12 to 14 ft. | 3 inch | \$8.00 | \$75.00 | ..... |

LOCUST (Robinia)

Honey Locust. (American). A tree of picturesque outline and rapid growth. Thrives on very light soils.

| Height | Caliper | Each | 10 for | 100 for |
|--------------|--------------|--------|---------|----------|
| 8 to 10 ft. | 1½ to 2 inch | \$2.00 | \$15.00 | \$100.00 |
| 10 to 12 ft. | 1½ to 2 in. | 3.50 | 30.00 | 250.00 |

ORNAMENTAL TREES—Continued

MAPLE (Acer)

The Maples stand out prominently among the most valuable subjects for landscape and screen plantings. The leaf outlines are pleasing and symmetrical and color effects in autumn add greatly to their beauty.

Norway Maple. (Platanoides). A large and handsome tree with spreading branches and compact, round head. Leaves bright green, fading with tones of yellow and gold. It is one of the best ornamental trees for lawn, park, and street planting. Twice transplanted.

| Height | Caliper | Each | 10 for |
|--------------|--------------------------------------|---------|---------|
| 10 to 12 ft. | 2 1/2 inch | \$ 5.50 | \$50.00 |
| 10 to 15 ft. | 2 1/2 inch | 7.00 | 65.00 |
| 15 to 18 ft. | 3 inch. (8 to 10 ft. clear stem) | 9.00 | 80.00 |
| 15 to 18 ft. | 3 1/2 inch. (8 to 10 ft. clear stem) | 13.00 | 110.00 |
| 15 to 18 ft. | 4 inch. (8 to 10 ft. clear stem) | 17.00 | 150.00 |
| 15 to 18 ft. | 5 inch. (8 to 10 ft. clear stem) | 25.00 | |

Schwedleri. (Schwedler's Purple-Leaved Maple). A handsome tree with beautiful foliage, in the spring a purplish-crimson changing to dark green during the summer and fading to tones of purple, red and brown in the fall. Has the same characteristics as the Norway Maple. Twice transplanted.

| Height | Caliper | Each | 10 for |
|--------------|------------|--------|---------|
| 12 to 15 ft. | 1 1/2 inch | \$6.00 | \$55.00 |
| 12 to 15 ft. | 2 inch | 8.00 | 75.00 |
| 12 to 15 ft. | 2 1/2 inch | 10.50 | 100.00 |
| 15 to 18 ft. | 3 inch | 15.00 | |
| 15 to 18 ft. | 3 1/2 inch | 20.00 | |
| 15 to 18 ft. | 4 inch | 30.00 | |

Silver Maple. (Dasycarpum). A large tree with wide-spreading branches and drooping branchlets. Very fast grower, makes dense shade and thrives in any good soil. We offer especially fine trees with high set branches 12 to 14 ft., 1 1/2 to 2 inch caliper, each, \$2.50; 10 for \$25.00.

Weir's Cut-Leaved Silver Maple. (Dasycarpum Weirii.) One of the most remarkable and beautiful trees with cut or dissected foliage. A rapid grower with long, slender drooping branches, often sweeping the ground. Foliage is abundant, silvery underneath, and on the young wood, especially deeply and delicately cut. 12 to 14 ft., 1 1/2 to 2 inch caliper, each, \$2.50; 10 for \$22.50.

MULBERRY (Morus)

Russian. (M. Tatarica). Very hardy, vigorous grower, fruit of small size, varies in color from white to black. (For prices see Shrubs.)

Weeping Mulberry. (M. Tatarica Pendula). The most beautiful weeping tree of recent introduction. The slender branches grow downward parallel with the stem, forming an umbrella-like shape. All who have seen it agree that in light, airy gracefulness and delicacy of form, it is without a rival. It undoubtedly takes the foremost place among weeping trees. It has beautiful foliage, is hardy, enduring the cold of the north and the heat of the south. 5 to 6 ft. stem, 2-yr. heads, \$4.00 to \$6.00; 5 to 6 ft. stems, 3-year heads, \$6.00 to \$10.00.

OAK (Quercus)

The Oaks, when they attain size are our most picturesque trees. The species and varieties are numerous, and the majority are adapted to ornament large grounds where they can have an abundance of room.

Burr Oak. (Quercus Macrocarpa). Vigorous stately tree of picturesque appearance; has deeply furrowed, brown bark and corky branches. Leaves are lustrous-green above, with whitish hairs below; acorn cup is large and mossy. Very attractive. 8 to 10 ft., 1 1/2 to 2 inch caliper, each, \$4.00; 10 for \$35.00. 10 to 12 ft., 2 to 2 1/2 inch caliper, each, \$6.00; 10 for \$55.00.

OAK—Continued

Pin Oak. (Quercus Palustris). An upright vigorous growing variety, forming a stately round-topped tree, with long slightly pendulous branches. The dark green, deeply cut foliage turns to brilliant yellow and crimson shades in autumn, forming one of the best of our fall colored trees. Transplants the easiest of all oaks, and is one of our very finest lawn trees and a desirable avenue tree.

| Height | Caliper | Each | 10 for |
|--------------|-----------------|--------|---------|
| 8 to 10 ft. | 1 1/2 to 2 inch | \$4.00 | \$35.00 |
| 10 to 12 ft. | 2 to 2 1/2 inch | 6.00 | 55.00 |

Red Oak. (Quercus Rubra). An American variety, rapid in growth, with large foliage, which assumes in the fall a purplish-scarlet hue. It makes a fine specimen and cannot be too highly recommended for general planting.

| Height | Caliper | Each | 10 for |
|--------------|-----------------|--------|---------|
| 8 to 10 ft. | 1 1/2 to 2 inch | \$4.00 | \$35.00 |
| 10 to 12 ft. | 2 to 2 1/2 inch | 6.00 | 55.00 |

POPLAR (Populus)

These hardy trees thrive in almost any soil, and as a class are unequalled for this section. They are of rapid growth, and are used in increasing numbers every year.

Bolleana. Grows 60 to 80 feet high. Similar in habit to the Lombardy Poplar; very emphatic and a distinct-looking tree; has silvery-white foliage.

| Height | Caliper | Each | 10 for |
|--------------|------------|--------|---------|
| 10 to 12 ft. | 2 inch | \$3.50 | \$30.00 |
| 12 to 14 ft. | 2 1/2 inch | 4.50 | 42.50 |

Carolina Poplar. This tree takes front rank among the best of the poplars. It is one of the most rapid growers among shade trees, frequently growing eight feet in a season and thus making fine shade in two or three years.

| Height | Caliper | Each | 10 for | 100 for |
|--------------|------------|--------|--------|---------|
| 8 to 10 ft. | 1 inch | \$1.00 | \$9.00 | \$75.00 |
| 10 to 12 ft. | 2 inch | 2.50 | 22.50 | |
| 10 to 12 ft. | 2 1/2 inch | 3.25 | 30.00 | |

Lombardy Poplar. A tall columnar tree of picturesque and very formal aspect. One of the characteristic trees of Lombardy and other parts of Italy. Widely planted; a very rapid-growing and hardy tree.

| Height | Caliper | Each | 10 for | 100 for |
|--------------|-----------------|--------|--------|---------|
| 8 to 10 ft. | | \$1.00 | \$9.00 | \$75.00 |
| 12 to 15 ft. | 1 1/2 to 2 inch | 2.00 | 17.50 | |

TREE OF HEAVEN

Tree of Heaven. (Ailanthus Glandulosa). A lofty rapid-growing tree from China with long elegant feathery foliage exempt from all diseases and insects. Thoroughly hardy and has ability to withstand the smoke and gases of the city. 5 to 6 ft., \$1.00; 10 for \$8.00. 6 to 8 ft., \$1.25; 10 for \$10.00.

WALNUT

Sieboldii. A perfectly hardy tree of rapid growth and handsome outline. Nuts produced in clusters. A fine ornamental tree.

8 to 10 ft., 1 1/2 to 2-inch caliper, each, \$3.00; 10 for \$25.00.
8 to 10 ft., 2 to 2 1/2-inch caliper, each, \$3.50; 10 for \$30.00.

Strawberries—Pot Grown

Price of the following, except where noted, per doz., 75c; 50 for \$2.75; 100 for \$5.00, by Express:



SENATOR DUNLAP

AROMA. (Per.) Late. One of the most popular late varieties. Fruit large to very large; holds its size well throughout all the pickings. Berry is roundish, conical, smooth and perfect in form and of a beautiful bright glossy red in color; very firm and of high quality. Its rich aromatic flavor has suggested its name. The habit of spreading which this variety possesses opens the way for the sunlight to reach the crown. The leaves are broad, clean and smooth and of a dark green color.

BRANDYWINE. (Per.) Medium late. Large deep red fruit, and a fancy market product. Flesh firm, and red all the way through. The flavor of Brandywine is very distinctive. A general favorite because of its many fine points and its high productivity. Foliage dark green, roots deep, enabling it to endure more dry weather than most varieties. It thrives in any kind of soil and under any reasonable climatic conditions.

CHARLES I. (Per.) Early. This variety has proven itself one of the very best early berries, yielding more quarts of fine, large berries than any other early variety. It is more widely grown than any other early variety and has given satisfaction wherever grown. The berries are extra large, regular in form, a good color and quality. Plants are medium in size, vigorous, healthy, and a good plant maker.

GIBSON. (Per.) Medium early. Berries are large and regular in shape, holding their size well to the end of the season. Color rich red. Flavor is neither sweet nor sour, but just right for canning. Extremely productive, in fact we know of no variety that will produce more quarts of berries per acre than the Gibson. It makes a strong vigorous plant that withstands adverse conditions admirably. This variety seems to embody every requirement necessary for a profitable berry. We recommend it and know you will not make any mistake in planting Gibson.

BIG JOE. (Per.) Late. Fruit large roundish, conical, even in size and shape and holds its size well until the last picking. Dark glossy red, firm and of excellent quality, adapted to practically all conditions of soil and climate. A splendid producer. A good pollinizer for the late imperfect blossoming varieties. Also known as the Joe Johnson.

PREMIER. (Per.) Early. Berries are large, beautifully formed, red through and through; flavor delicious. A splendid shipper. The deep, heavy rooting system makes the plant a strong drought resister, and it is especially adapted to any soil or climate, giving you a big crop of fancy berries which will sell at highest prices. When extra fancy early fruit is wanted, we advise this.

SENATOR DUNLAP. (Mid-Season). One of the best and most popular. It succeeds everywhere and with everybody, with the new beginner as well as with the veteran grower, but should not be allowed to matt too thickly. The fruit is dark red with a glossy finish shading to a deep scarlet on the underside. The meat is bright red all through and is exceedingly juicy. For a medium sized, productive, early to mid-season berry, you need to plant it.

EVERBEARING. Everbearing Strawberries are no longer an experiment. They are a success, becoming essential all over the country, and are making good



POT-GROWN STRAWBERRY PLANT

every place where they have been tested. For best results the blossoms should be kept picked off until the middle of July. This will assure a good crop for fall. The variety we list is the best of all the Everbearing varieties, being a strong grower and heavy yielder.

PROGRESSIVE. You can have Strawberries just as easily in the Fall as in the Spring by planting the Progressive, which is the best of all the Fall or everbearing Strawberries. This is the strongest growing plant of all the Fall-bearing varieties we have tried. The plants are very large and heavily rooted, producing a phenomenal crop of medium to large fruits of a dark red color, both inside and out, and of sweet mild flavor. Think of having all the berries you can use on your table during the months of September, October and November, and later, if not killed by freezing weather.

Price, Everbearing variety, per doz., 85c; 50 for \$3.50; 100 for \$6.00, by Express.

Hardy Climbing Vines

AMPELOPSIS VEITCHII (Boston Ivy)

The grandest hardy climbing vine in existence for covering houses, churches, schools, etc. Its glossy, ivy leaves overlap each other, and its long, delicate young shoots stretch up the walls with free and rapid growth. The tendrils at nearly every point cling firmly to the smoothest surface of rock or brick. **Pot Grown. Prices, each, 75c; doz., \$8.00.**

Akebia Quinata. A beautiful hardy Japanese vine, with unique foliage and chocolate-purple flowers of delightful fragrance in large clusters. The foliage is never attacked by insects, and is distinctly ornamental. Prefers a sunny situation. 2-yr., 75c.

Ampelopsis Engelmannii. (Engelman's Ivy.) One of the hardiest, best and quickest growing climbers for the north and northwest. Quite similar to the Virginia Creeper, but vastly superior to it, the foliage being cleaner, of greater substance and not turning yellow during the early fall, and almost perfectly free from insects. Leaves color beautifully in the fall. 2-yr., 40c; per 10, \$2.50; 3-yr., 50c; per 10, \$3.00.

Ampelopsis Muralis. Foliage similar to Quinquifolia; strong, rapid grower, clinging to walls without support; stands the hardest winters. 3-yr., 50c.

Ampelopsis Quinquifolia. (Virginia Creeper or Woodbine.) Luxuriant in growth, with handsome foliage turning to bright crimson in the fall. Very hardy vine for covering old tree trunks, walls or fences. 2-yr., 40c; 10 for \$2.50; 3-yr., 50c; 10 for \$3.00.

Aristolochia Siphon. (Dutchman's Pipe.) Very hardy, strong growing vine with large, peculiar heart-shaped leaves. Curious pipe-shaped flowers of yellowish brown. 2-yr., each, \$1.00.

Bignonia Radicans. (Trumpet Vine.) Dark red orange throat, free-blooming. Very hardy and rapid grower. Useful for covering unsightly places, stumps, or wherever a showy flowering vine is desired. 3-yr., each, 60c.

CELASTRUS

Celastrus Articulatus. (Japanese Bitter Sweet.) Vigorous climber with almost round, bright green leaves, and orange-yellow capsules in the fall. This variety fruits earlier and more freely than C. Scandens, and is one of the best vines to be had for a porch. Strong vines, 3-yr., 60c; 4-yr., 75c.

Celastrus Scandens. (Climbing Bitter Sweet.) A native climbing or twining plant with handsome large leaves; yellow flowers in May and June and clusters of ornamental orange-capsuled fruit in autumn. One of the most desirable climbers for shade. Strong 3-yr. vines, each, 60c.

CLEMATIS

JAPANESE CLEMATIS (Clematis Paniculata)

CLEMATIS PANICULATA The finest small-flowered Clematis extant. A wonderfully rapid grower, quickly covering trellises, arbors, etc. The flowers are pure white, deliciously fragrant and produced with the greatest freedom. It flowers in September when few other vines are in bloom. Easiest to grow and most popular of all the small-flowered vines.

| PRICES | | PRICES | |
|-------------------|--------|-------------------------------|--------|
| By Mail, Postpaid | | By Express, at Buyers Expense | |
| Age | Each | Age | Each |
| 2-year..... | \$0.60 | 2-year..... | \$0.50 |
| 3-year..... | .70 | 3-year..... | .60 |
| 4-year..... | .80 | 4-year..... | .70 |

Virginiana. (American White Clematis.) A remarkably rapid climbing plant, growing to the height of twenty feet, producing an immense profusion of flowers in August. 3-year, each, 60c.

EUONYMUS RADICANS

(Large-leaved trailing Euonymus)

Vegetus. This is a most valuable ground-covering evergreen plant, with rich deep green foliage, thriving in partial shade or under trees where grass and other plants fail. It is also our best hardy evergreen vine, retaining its foliage through the Winter, even when exposed to the sun. 2-yr., 60c; per 100, \$40.00; 4-yr., \$1.25.

HONEYSUCKLES (Lonicera)

We cannot speak too highly of this class, for covering arbors, fences, pergolas verandas, etc. They are the best vines for ground planting under trees and if used on terraces or embankments, will prevent washing. Railroads are using them very extensively for this purpose. All are perfectly hardy and improve in beauty each year.

Fuchsioides. (Scarlet Trumpet or Sempervirens.) Fuchsia-like scarlet flowers, very free and beautiful. 3-yr., 65c.

HONEYSUCKLES (Lonicera)—Continued.

HALL'S JAPANESE HONEYSUCKLE (Lonicera Halleana) This is one of the finest of all vines that one can plant. It is attractive and thrives in practically all situations. Splendid on trellises, arches, porches, or for covering fences, poles or old dead or ugly tree trunks. It is a strong, vigorous, almost evergreen sort, with pure white flowers, changing to yellow. Very fragrant, and covered with flowers from July to October; holds its leaves till January. The best bloomer of all. 3-yr., 60c; per 100, \$35.00.

MATRIMONY VINE (Lycium)

Well known, hardy, fast-growing vine; handsome when covered with scarlet fruit in autumn. Commonly used as a trailer, and for a ground cover under trees and on terraces or any kind of steep slopes to hold the soil in place.

Strong, 3-yr., 60c; per 100, \$40.00.

VITIS

Heterophylla. A handsome climbing plant with deeply lobed leaves, sometimes sprinkled with white and pink. Good for low trellis work. Clusters of light blue showy berries. 3-yr., 65c; 4-yr., 75c.

Wild Grape Vine. We have fine cultivated vines of these rapid growing, hardy climbers, well suited to the covering of stumps, arbors, etc. Price, 3-yr., each, 50c; per 100, \$40.00.

WISTARIA MAGNIFICIA

A strong, rapid-growing vine with light-green compound foliage of an evergreen nature and purple lilac, pea-shaped flowers, borne in very dense, long, pendulous racemes in advance of the opening of the foliage. 2-yr., extra strong, 65c; per 100, \$50.00.

Vaughan's Fruit Trees

We shall be glad to prune fruit and other trees for planting if requested. In that case, however, our customers cannot expect to receive trees that answer our specifications as to height, for the catalogue prices are for trees unpruned.

Certificate of inspection, showing freedom of our stock from San Jose and other injurious insects, etc., will be attached to shipments.

APPLES

The apple has always been recognized as the universal fruit. It thrives in practically every state in the Union and succeeds on all well-drained tillable soils. Every land-owner should grow enough apples and other fruits for his own family.

We offer the following selected varieties:

| Each | 3 | 10 | Each | 3 | 10 |
|----------------|--------|--------|---------|-----------------|--------|
| 4 to 5 ft..... | \$1.25 | \$3.45 | \$10.00 | 7 to 8 ft..... | \$2.50 |
| 5 to 6 ft..... | 1.50 | 4.20 | 12.50 | 8 to 10 ft..... | 3.50 |
| 6 to 7 ft..... | 2.00 | 5.70 | 17.50 | | 10.20 |

Autumn Strawberry. Red stripes, very white flesh. Bears young. 4 to 5 ft., 7 to 8 ft., 8 to 10 ft.

APPLES—Continued

Baldwin. Large, roundish; deep bright red; juicy, crisp, sub-acid, good flavor, very productive of fair, handsome fruit. One of the most popular commercial varieties in northern states. Dec. to March. 4 to 5 ft., 5 to 6 ft., 7 to 8 ft., 8 to 10 ft.

Banana. The Banana is a wonderfully beautiful, brilliant, transparent, waxen yellow winter apple with a bright pink and red blush on the sunny side. It is large to very large, somewhat round and tapering at the blossom end. Fine quality, 4 to 5 ft., 8 to 10 ft.

Ben Davis. Large, handsome, striped, productive; a late keeper. Tree remarkably healthy and vigorous. A profitable, market sort. Dec. to March. 4 to 5 ft., 5 to 6 ft., 6 to 7 ft., 7 to 8 ft., 8 to 10 ft.

Black Ben Davis. Stronger, hardier, and a better drought resister than Ben Davis; fruit large, solid, deep dark-red. 4 to 5 ft., 5 to 6 ft., 7 to 8 ft.

Delicious. Fruit large, nearly covered with brilliant dark-red, flesh fine-grained, crisp, melting; very highest quality. Splendid keeper and shipper. 4 to 5 ft., 5 to 6 ft., 7 to 8 ft.

Duchess of Oldenburg. Tree a strong grower, young and abundant bearer. Fruit large, yellow, streaked red, rich sub-acid flavor, juicy and good. Valuable in all sections for both market and home use. Early Sept. 4 to 5 ft., 6 to 7 ft.

Vaughan's Fruit Trees—Continued.

APPLES—Continued.

Early Harvest. Medium to large; pale yellow; tender, with a mild, fine flavor. An erect grower and a good bearer; excellent for orchard and garden; one of the first to ripen. Middle to end of August. 4 to 5 ft.

Fameuse. (Snow Apple.) Medium size; deep crimson; flesh snowy-white, tender, melting and delicious; one of the finest dessert fruits, and valuable for market; succeeds particularly well in the North. November to January. 4 to 5 ft.

Gano. Similar, but superior to Ben Davis. It has all the good qualities in a higher degree, more brilliant coloring, runs more even in size, and keeps fully as late. The tree is vigorous and hardy; is a rapid grower; bears while young. Color bright-red without stripes or blotches, and large and even in size. 6 to 7 ft., 7 to 8 ft., 8 to 10 ft.

Grimes' Golden. Greatly prized as a hardy variety, producing annual crops. Medium, roundish oblate; rich golden-yellow, with small dots; flesh yellow, juicy, tender, crisp, rich, sprightly sub-acid, with a fine aroma. Dec. to Feb. 4 to 5 ft., 6 to 7 ft., 7 to 8 ft., 8 to 10 ft.

Jonathan. Medium, pale yellow, nearly covered with brilliant stripes of lively red; flesh white, juicy, spicy, sub-acid, fine grained, rich. 4 to 5 ft., 5 to 6 ft.

McIntosh Red. Large; skin yellow, nearly covered with bright red; flesh white, tender and juicy. A popular bright red apple largely grown in the North where hardness is required. Nov. to Feb. 4 to 5 ft.

Northern Spy. Large, somewhat ribbed. Flesh white and tender, with a mild sub-acid, rich and delicious flavor. 4 to 5 ft., 5 to 6 ft.

Northwestern Greening. Yellow, smooth, rich, of good size, resembling Grimes' Golden in shape and color; good quality and an extra long keeper. Tree hardy, vigorous, abundant annual bearer. 4 to 5 ft., 8 to 10 ft.

Red Astrachan. Large, beautiful deep crimson, overspread with a thick bloom; juicy, rich, acid, productive. One of the best summer apples. August. 4 to 5 ft., 6 to 7 ft., 7 to 8 ft., 8 to 10 ft.

Rome Beauty. (Late Winter.) A large, bright red apple that is tender fleshed, juicy, good quality and an A-1 cooker. Bears young, blooms late, fruit hangs firmly and can always be depended upon for a full crop. 4 to 5 ft.

Stayman Winesap. The largest of the Winesap family. Striped and splashed with dark crimson, resembling Winesap, except that the color is not quite so brilliant; flesh tinged with yellow, firm, crisp, sprightly pleasant, with a rich sub-acidity that appeals to everyone. Very good quality. 4 to 5 ft.

Tolman's Sweet. Medium, pale yellow, slightly tinged with red; firm, rich and very sweet; the most valuable baking apple; productive. Nov. to April. 4 to 5 ft.

Wagener. (Red Winter Apple.) Wagener is one of the most beautiful winter apples ever grown. It is of the highest quality, the flesh being crisp, tender and aromatic. We know of no apple possessing greater beauty or of fine quality. It succeeds well East and West. Dec. to May. 4 to 5 ft., 6 to 7 ft., 8 to 10 ft.

Wealthy. The best, handsomest, most satisfactory fall apple. Largely planted throughout the United States. It is large and uniform in size, a brilliant red all over, marked with stripes and splashes of deeper red. The tree grows large and symmetrical, is an enormous bearer and is hardy and thrifty. Wealthy trees bear extremely young and none more profitable earlier in life. 4 to 5 ft., 5 to 6 ft., 6 to 7 ft.

Winesap. Large, deep red, a good keeper; quality medium, a moderate grower and good bearer. Succeeds well in the west. Dec. to May. 4 to 5 ft., 5 to 6 ft.

Wolf River. A handsome apple, originating at Fremont, Wisconsin. Fruit large, greenish-yellow, shaded with red or crimson; flesh white, half tender, juicy, pleasant, mild sub-acid, with a peculiar spicy flavor. 6 to 7 ft.

Yellow Transparent. One of the most desirable early apples in cultivation, Early bearer, frequently producing fine fruit on 2-year trees in nursery rows. Good grower and hardy, fruit pale yellow, good size and good quality; skin clear. white at first, becoming a beautiful pale yellow. July and August. 4 to 5 ft., 7 to 8 ft.

CRAB APPLES

Prices same as Standard Apples

The Crab Apple has many points of excellence. It makes a fine ornamental tree, perfectly hardy, and will grow in any kind of soil. It bears very early and every year. Unequaled for jelly and for vinegar; can be dried or preserved.

Hyslop. The fruit is covered with brilliant carmine to dark purplish-red, overspread with a thick blue bloom. It is roundish, uniform shape; large size for a crab. Good for jellies and cooking purposes. 4 to 5 ft., 6 to 7 ft., 7 to 8 ft., 8 to 10 ft.

Siberian. Sour and acid; excellent for jelly; a good grower. 4 to 5 ft., 7 to 8 ft., 8 to 10 ft.

Transcendent. An old variety, well known for its bright red color, good size and juicy, crisp yellow, sub-acid flesh; roundish oblong shape. Very good for culinary uses. 4 to 5 ft., 6 to 7 ft., 7 to 8 ft.

Whitney. One of the largest, glossy green splashed carmine. 4 to 5 ft., 6 to 7 ft.

CHERRIES

Any of the following (except where noted): 4 to 5-ft. trees. Each, \$1.65; 3 for \$4.80; 10 for \$15.00. 5 to 6 ft., each, \$2.25; 3 for \$6.45. Can supply Early Richmond and Montmorency in young thrifty 3-ft. trees at \$1.25 each, or 10 for \$10.00.

DYHOUSE. Largely planted for early market, ripening a week before Early Richmond. Early annual bearer, productive, fine size, good quality. Acid. June.

EARLY RICHMOND. Medium size, dark red; melting, juicy, sprightly acid flavor. This is one of the most valuable and popular of the acid cherries for cooking purposes and production. June.

EARLY RICHMOND. (Grafted on Morello.) This is the best type of Early Richmond for the vicinity of Chicago, producing fruit much earlier than trees grafted on Mahaleb, etc. 3 to 4 ft., each, \$2.00; 3 for \$5.70; 10 for \$17.50.

ENGLISH MORRELLO. The English Morello is medium to large, roundish almost heart-shaped, dark red, becoming almost black when fully ripe. Flesh is a dark purplish crimson, meaty, firm and juicy, rich acid; good for canning. Ripens a month later than Early Richmond.

MONTMORENCY. A popular market variety; good for all purposes. Vigorous grower, very productive. Fruit large, light red; ten days later than Early Richmond. Late June.

DWARF APPLE AND PEAR TREES

The Dwarf Apple and Pear Trees come into bearing much earlier than the Standard Trees. Their low, broad heads are within reach so that the fruit can be easily picked. These trees take up so little room that they can be planted in the garden, or even on the lawn, and with care will bear good crops within three or four years. The fruit is of extra high quality. Dwarf Trees are secured by propagating Apples on Paradise stock; Pears on Quince. We have the following list to offer:

DWARF APPLES. 3 to 4 ft. Each, \$1.65. Delicious, Duchess, Early Harvest, Snow, Yellow Transparent.

DWARF PEARS. 3 to 4 ft. Each, \$1.65; 3 for \$4.80; 10 for \$15.00. Bartlett, Clapp's Favorite, Dutchess, Seckel, Keiffer. 6 to 7 ft., each, \$3.00. Clapp's Favorite and Duchess,

PEARS

4 to 6 ft., each, \$1.75; 3 for \$4.95; 10 for \$15.00; 6 to 7 ft., each, \$2.25; 3 for \$6.45; 10 for \$20.00; 7 to 8 ft., each, \$2.75; 3 for \$7.95; 10 for \$25.00.

The soil best adapted for Pear culture is of rich and heavy quality. The fruit of summer and autumn varieties should be picked as soon as it has attained full size, when, if ripened in dark, dry closets, it is not subject to rotting at the core, and develops its best flavor. Pick winter sorts as soon as the weather indicates the liability of hard frost. Spraying is desirable at the blooming season, but leaf-blight can be treated by cutting away the diseased limbs entirely. Thinning increases size and quality of remaining crop.

BARTLETT. The most popular summer pear; large fruit of musky melting flavor. The tree is a vigorous grower, an early and abundant bearer. August and September. 4 to 5 ft.

CLAPP'S FAVORITE. Resembles the Bartlett, ripening a few days earlier, hardy and vigorous either on the pear or quince. Care should be taken to pick the fruit at least ten days before ripe. 4 to 5 ft., 6 to 7 ft., 7 to 8 ft.

DUCHESS. A fall pear, large fruit, rich and juicy. A popular market variety. 4 to 5 ft., 6 to 7 ft.

EARLY HARVEST. Early; good size. 4 to 5 ft., 6 to 7 ft., 7 to 8 ft.

FLEMISH BEAUTY. Large, juicy, rich, one of the hardiest. September and October. 4 to 5 ft., 6 to 7 ft., 7 to 8 ft.

KIEFFER. Large to very large; a rich yellow often with a handsome red cheek. The flesh is juicy, good. Remarkably fine shipper and excellent for canning. October. 4 to 5 ft., 6 to 7 ft., 7 to 8 ft.

KOONCE. Thoroughly tested for several years. Has produced good crops when all other varieties were killed by frost. Fruit medium to large, yellow with carmine cheek; quality good; ripens in time for the earliest market. July and August. 4 to 5 ft., 6 to 7 ft., 7 to 8 ft.

SECKEL. Small, yellowish-brown, red cheek; best to eat out of hand, or pickle, 4 to 5 ft.

PLUMS

Our plums are on plum roots, making them harder and longer-lived than when on peach roots which are generally offered.

ABUNDANCE. This is the plum for you, if you try but one. Lemon-yellow ground, nearly overspread with cherry; flesh yellow. August. 4 to 5 ft., each, \$1.50; 3 for \$4.20; 10 for \$12.50.

BURBANK. The best and most profitable among growers for market. Tree hardy, sprawling, vigorous grower, unequaled in productiveness; fruit large, excellent quality, cherry-red with lilac bloom. August. 4 to 5 ft., each, \$1.50; 3 for \$4.20; 10 for \$12.50.

De Soto. The very hardiest that can be grown. Originated in Wisconsin. The fruit is a dark crimson to yellow-orange red, covered with a thin bloom. Oval shape. The flesh golden yellow, melting, juicy, sweet. The stone is nearly free. September. 4 to 5 ft., each, \$1.25; 3 for \$3.45; 10 for \$10.00.

SAPA. One of Prof. Hansen's seedlings. Skin dark purple; flesh, dark purple-red. An early bearer. 4 to 5 ft., \$1.50; 3 for \$4.20; 10 for \$12.50.

Shropshire Damson. Most generally planted Damson in America. Strong, vigorous grower, quite hardy, well-shaped and enormously productive; regular bearer. Fruit purplish black, oval shape; flesh juicy, firm but tender; sprightly pleasant. 4 to 5 ft. Each, \$1.50; 3 for \$4.20; 10 for \$12.50.

WANETA. One of the latest of Prof. Hansen's hybrids, being a cross of the Terry and Japanese apple plum. It bears the largest fruit of any of the hybrids, one specimen plum being 2 inches in diameter. The fruit is red, thin-skinned, and has a sweet and delicious flavor. 4 to 5 ft., each, \$1.50; 3 for \$4.20; 10 for \$12.50; 6 to 7 ft., each, \$2.50.

QUINCE

Meech. A vigorous grower and immensely productive. The fruit is large, lively orange color, of great beauty and delightful fragrance; its cooking qualities are unsurpassed. 4 ft., each, \$1.50; 3 for \$4.20; 10 for \$12.50; 6 ft., each, \$2.50.

Orange. A vigorous grower and immensely productive. This fruit is large, lively orange-yellow, of great beauty and delightful fragrance. Its cooking qualities are unsurpassed. 4 ft., each, \$1.50; 3 for \$4.20; 10 for \$12.50.

Vaughan's Small Fruits



VICTORY RASPBERRY

From photograph of a pint of berries; the berries are nearly one inch in diameter.

BLACKBERRIES

Price, each, 25c; 3 for 65c; 10 for \$1.50; per 100, \$10.00.

2-year transplants, each, 30c; 3 for 75c; 10 for \$2.00.

If to go by mail, add 10c per ten, or 60c per 100 for postage and packing.

ANCIENT BRITON. Large berries of excellent quality, very prolific. Vigorous; healthy, and one of the hardest of all.

BLOWERS. The Blowers is a large oval berry, jet black color, sweet, juicy. Fruit ripens through long season. It originated in New York and is proving to be extra hardy, vigorous and productive. It is one of the most profitable and satisfactory berries grown.

ELDORADO. The vines are very vigorous and hardy, enduring the winters of the far northwest without injury, and their yield is enormous. Berries large, jet black. Large clusters.

SNYDER. Extremely hardy, enormously productive, medium size; no hard, sour core; sweet and juicy; ripens early.

GRAPES

Price, (except where noted) 2-year, each, 50c; 3 for \$1.35; 10 for \$4.00; per 100, \$35.00; 3-year, each, 65c; 3 for \$1.80; 10 for \$5.50; per 100, \$50.00.

If to go by mail, add 10c each or 50c per 10 for postage and extra packing.

AGAWAM. (Red or Maroon). Bunch usually loose shouldered; berries large; skin thick, flesh pulpy, meaty, juicy, of a rich aromatic flavor; ripens about with Concord; a good keeper.

BRIGHTON. (Dark Red). Bunches large, berries medium size, skin thin, flesh tender, quality the best. Must be grown with other sorts, as it does not pollinize itself. One of the best early red grapes.

CACO—New Red Grape. A variety of exceptional merit and should be in every collection planted. It combines more good qualities than any other variety introduced in many years. The Caco is perfectly hardy in all parts of the country. It has been pronounced by the best growers in America to be equal in quality to any variety grown either out-of-doors or under glass. It is the most beautiful of the hardy grapes, the bunches are large, well shouldered, color wine red with abundant bloom. Bunches are compact and of good size and form. Earlier than Concord and is sweet and palatable several weeks before it is fully ripe. The vine makes a very strong growth hence is valuable for covering trellis or screen. Caco is beyond doubt one of the best of our native grapes. 1-yr. extra strong vines. Each, \$1.00; 3 for \$2.85; 10 for \$8.00.

CAMPBELL'S EARLY—King of American Grapes. (Black). A grape well adapted to general use in all sections; compares favorably with the best. Large, nearly round, often an inch or more in diameter; black, with light, purple bloom; skin thick, flavor rich and sweet. 2-year-old vines, each, 65c; 3 for \$1.80; 10 for \$5.50. 3-year-old vines, each, 75c; 3 for \$2.10; 10 for \$6.50.

CATAWBA. (Red). Bunches large and loose; berries large, of coppery red color, becoming purplish when well ripened.

CONCORD. (Black). The most popular Grape in America. Bunch large, compact; berries very large; skin very tender; flesh sweet, juicy. Vine a vigorous grower. Very hardy and productive. Succeeds everywhere.

DELAWARE. (Red). Bunches small, compact, shouldered; berries small, round; skin thin; flesh very juicy and very sweet. Early and abundant bearer.

DIAMOND. The leading early white grape. Bunch medium, berry large, white with rich yellow tinge; juicy, almost free from pulp.

HUBBARD—The New Black Grape. Quality sweet and delicious, having that fine and pleasant flavor approaching the European or Vinifera grapes. Seeds few and small which separate freely from the tender pulp. Skin thin and firm. Berries and bunch large and uniform. Ripens about ten days earlier than Concord. We have investigated many new grapes in the past ten years and found no other grape with so many excellent points. The Hubbard grape being of better quality, a better shipper, better size, healthy foliage, a strong grower and early ripening makes it a more desirable grape to plant than either Concord or Niagara. 2-year, each, \$1.00; 3 for \$2.70; 10 for \$7.50.

LUCILE—The Coming Red Market Grape. Ripens between Moore's Early and Worden. The flavor is sweet. The bunch is large and compact. It is excellent for market anywhere, but especially at the North, because it ripens so early. It is a strong, robust grower, yields as much or more than Concord and ripens its wood to the tips and therefore never winter-kills. It never drops its berries, but when over-ripe, it gradually dries up on the vines. 2-year only.

GRAPES—Continued.

MOORE'S EARLY. (Black). Bunch medium; berry large, round, with a heavy blue bloom; vine hardy and moderately prolific. Large size and early.

NIAGARA. (White). The standard market white grape. Berries large and handsome; very sweet; bunch often shouldered. Vine very vigorous and productive, succeeding well both North and South.

WORDEN. (Black). A seedling of the Concord. Bunch large, compact, handsome; berries large—larger than those of the Concord. It ripens a few days earlier and is superior to it in flavor. Very popular for the vineyard and garden.

SPECIAL GRAPE COLLECTION

Two each of the following varieties: Agawam, Concord, and Niagara. 2-year strong roots for \$2.25.

RASPBERRIES

Price, (except where noted,) each, 20c; 3 for 50c; 10 for \$1.20; per 100, \$8.00.

If to go by mail, add 10c per doz., 50c per 100 for postage and packing.

COLUMBIAN. (Purple). Valuable and profitable. The fruit is cone-shaped, almost purplish color. Fruiting season extends from July 10th to August 15th.

CUMBERLAND. (Black.) Extra large, oval, rich and juicy. Best quality, firm and stands handling well. Canes vigorous, productive and hardy. The best of all. Good shipper.

CUTHBERT. (Red.) Scarlet-crimson, large, conical, handsome, firm and juicy. Canes are strong, vigorous, upright and hardy. The best and most widely planted red raspberry for home market.

GREGG. Fruit very fine and covered with bloom. Gregg has been the leading market variety all over the country. A good all around late black cap. In quality they are hard to beat. They are large and productive.

GOLDEN QUEEN. (Yellow.) Large, beautiful clear amber-yellow.

THE HERBERT RASPBERRY. (Red.) A very strong grower, hardy and very productive. Fruit large to very large; conical, bright to rather deep red; moderately firm; sweet and sub-acid, juicy and of good flavor. The best Red Raspberry today. Price, each, 25c; 3 for 65c; 10 for \$1.50; per 100, \$10.00.

KANSAS. (Black). The best of all black caps, berries as large or larger than the Gregg; jet black, firm, handsome and of the best quality.

LOUDON. (Red). It is almost ever-bearing; fine deep red fruit; large and prolific.

NEW EVER-BEARING RASPBERRIES

LA FRANCE. (Red.) Superior to any other raspberry. Produce large, juicy berries of finest aroma; very prolific; heavy bearer; absolutely hardy and free from disease; bears until frost. Leading authorities, prominent gardeners, specialists as well as government experiment stations proclaim La France to be the most valuable, best and finest raspberry under cultivation to-day. Awarded Silver Medals by Horticulture Society of New York, Tarrytown Horticulture Society, Connecticut Horticulture Society, etc. We have a limited stock of this valuable food plant which we offer. Price, each, 60c; 3 for \$1.65; 10 for \$5.00.

WHITE QUEEN. (White.) We are pleased to offer, for the first time, this wonderful new Raspberry. Bears an abundance of almost white fruits from August until frost. The extra-large, firm berries, which are free from seeds and acid, are of exquisite flavor and aroma. Plants attain a height of 6 feet. Awarded Special Certificate of Merit at New York Exhibition. Price, each, 60c; 3 for \$1.65; 10 for \$5.00.

ST. REGIS. (Red.) Gives raspberries for four months the first year planted. The berries are large and of very fine quality, rich and sugary, and keep longer after picking than any other red raspberry. They are of a bright, crimson color, and firm, meaty substance. It is the earliest of all red raspberries, commencing to ripen in June, and bears a tremendous crop on the first canes, while the young canes continue to bear fruit in increasing numbers until frost sets in. Awarded the highest certificate of merit by the American Institute of New York. Price, each, 25c; 3 for 65c; 10 for \$1.50; per 100, \$8.00.

VICTORY

THE GREAT RED RASPBERRY

Victory is a seedling of the Cuthbert, one of our best old raspberries, and resembles that grand variety. Victory has produced regularly for several seasons nearly twice as much fruit as Cuthbert, bush for bush, and acre for acre, grown in the same field, under exactly the same conditions. Victory berries are very much larger than Cuthbert and of better quality and flavor. Ripens a week ahead and continues to fruit two weeks later than Cuthbert. Victory is a money maker, fruit having sold at sixteen cents a pint box more than other varieties in the Chicago market. Each, 30c; 3 for 75c; 10 for \$2.00; 100, 12.00.

RHUBARB

VAUGHAN'S MAMMOTH RHUBARB ROOTS

If to go by mail, allow for postage, 1 yr., 1 lb.; 2 yr., 1½ lb.; 3 yr., 2 lbs.

1-year, each, 20c; 3 for 45c; 10 for \$1.30. 2-year, each, 30c; 3 for 75c; 10 for \$2.25. 3-year, each, 50c; 3 for \$1.35; 10 for \$4.00; large clumps, 75c (by express).



LA FRANCE
RASPBERRY

Hardy Coniferous Evergreens



JUNIPERUS PFITZERIANA

A Graceful Specimen for Lawn or Mixed Border

ABIES (Firs)

Brachyphylla. (Nikko Fir). A fine hardy fir, of open habit and rapid growth. Fine for groups or specimens on lawns, etc. 5 to 6 ft., \$10.00; 6 to 7 ft., \$15.00.
Douglasii. (Douglas Fir). A fine upright growing tree, reaching 60 feet or more in height. Grows rapidly and thrives well in almost any place. 2 to 3 ft., \$3.50.

JUNIPERS

Japanica. Foliage beautiful glaucous green, regularly interspersed with branches of a pure white. A distinct, rare and beautiful variety. 2 ft. by 2 ft., \$4.00 to \$5.00.
Pfitzeriana. One of the best Junipers. Makes rapid growth. Boughs are of a thick, rich green, and inclined to droop, making it one of the most desirable as a specimen plant or excellent for rock gardens, where perpetual green is desired. It attains a height of about 12 ft.
 24x24 in., \$7.50; 30x30 in., \$9.50; 36x36 in., \$12.50; 6 ft. by 5 ft. Specimens, \$40.00 to \$45.00; 6 by 8 ft. Specimens, \$50.00 to \$60.00.
Sabina. (Savin Juniper). A dwarf spreading evergreen, with trailing branches suitable for rock work. 12 by 18 in., \$3.00; 18x18 in., each, \$3.75; 10 for \$35.00; 24x30 in., \$5.00; 10 for \$47.50; 3½ by 6 ft., \$15.00.
Virginiana. (Red Cedar). Tall growing, one of the best known of the Junipers. Stands pruning well; excellent for hedges or for lawn specimens. Hardy, of rapid growth, usually conical in habit and very dense; foliage a good dark green, turning to bronze in winter. 2½ to 3 ft., each, \$2.75; 10 for \$25.00; 3 to 4 ft., each, \$4.00; 10 for \$37.50; 4 to 5 ft., \$6.00 to \$8.00.
Virginiana Elegantissima. A distinct and beautiful variety of the Red Cedar, with golden bronze foliage; particularly attractive in winter, when the golden bronze of the young growth is contrasted with the dark green of the older.
 4½ ft., \$12.00; 5 ft., \$15.00.
Virginiana Glauca. (Blue Virginia Cedar). A vigorous growing variety, with foliage of silvery tinge, compact and conical in form. Makes a fine tree. 4 ft., \$8.50; 4½ ft., \$10.00; 5 ft., \$12.50.
Virginiana Schottii. Best of all the upright green Junipers; fine pyramidal form with foliage of a peculiar bright green. 3 ft., \$5.50; 3½ ft., \$6.50; 4 ft., \$7.50.

LARIX (Larch)

Europaea. (Common European Larch). A hardy deciduous conifer, of rapid growth, with fine needle-like leaves. A valuable timber tree, and fine for mixed plantings, 5 to 6 ft., \$4.50 to \$6.00; 6 to 7 ft., \$6.00 to \$8.00; 7 to 8 ft., \$8.00 to \$10.00.

PLANTING NURSERY STOCK

When you receive the bundle from the nursery, if you are not ready to plant, open it up, soak the roots well, and then open a trench about 8 or 9 inches deep and heel in the roots. Don't put them in the basement near the boiler, and don't leave them lying around with the roots exposed to the air or wind. Dig the hole large enough to take all the roots without crowding. See that any injured roots are cut off cleanly. Put the best soil around the roots, tamp well, and don't make the mistake of placing fertilizer directly upon them. Manure, however, may be placed on top of the ground as a mulch. The mistake is frequently made of mulching too heavily, thereby shutting off the supply of air, causing suffocation. Too much is worse than none. Shrubs, trees and fruit trees should be mulched every fall, and this turned in with a fork in the spring. Heavy mulching in the spring excludes the first warm rays of the sun, which are so essential to the growth of young surface rootlets, the feeders for flower and fruit production.

Soil. For all planting, the earth should be in good tilth, especially where small plants are to be set. A good rule to follow is: "The smaller the plant the finer the soil." Good preparation is half the battle. If manure is to be had, and it is possible, spade in a liberal quantity the fall before setting. Remove all quack and other roots. Good drainage is desirable, and can usually be secured by digging to a depth of about three feet and filling in the bottom with coarse stones. Where very wet, drain with land tile. If the soil is sour or acid, dress with slacked lime, two handfuls to the square yard, and dig in with a fork.

Time to Plant. This depends on the appearance and disappearance of frost. Spring planting should be done as soon as you can get a spade into the ground to its full depth, after frost; fall planting may be commenced about the middle of October and continued until frost.

EVERGREENS include some of the most beautiful trees in cultivation, and varieties may be selected which are adapted to almost any soil or climate. We are giving attention to the propagation and culture of perfectly hardy species and varieties which are the most useful to the general planter, and the list offered below comprises those most in demand as individual specimens and for windbreaks. As individual specimens for lawn planting, it is difficult to imagine anything more stately and beautiful. As screens against objectionable objects and for windbreaks and hedges, nothing is to be had which will give as thick and dense foliage during the entire season.

All of our Evergreens are transplanted every two years, and to insure against loss in handling, each will be lifted with a ball of earth and the roots wrapped in burlap.

To be successful, transplanting should be done during the early spring, April or May, and in September. We advise the planting of the larger specimens quoted. By this means you get immediate results which otherwise would take time to obtain. We do not pay Express or Freight charges on Evergreens

PICEA (Spruce)

Excelsa. (Norway Spruce). A tall and beautiful tree, the most widely grown of all the spruces, equally adaptable to planting as specimens on lawns, for shelter or windbreak. Each 12 100
 12 18 in., not balled and burlapped. \$.50 \$5.00 \$40.00
 18-24 in., " " .60 6.00 50.00

Excelsa Nigra. (American Black Spruce). A small or medium sized tree; a native of North America; of great hardiness, and particularly useful for planting in the Northern States. 2 ft., \$3.00; 2½ ft., \$3.50; 3 ft., \$4.50.

Koster's Blue Spruce

Pungens Glauca Kosteriana (Koster's Blue Spruce). Notable variety from the Rocky Mountains and the most valuable conifer for ornamental planting. A rapid vigorous grower, with stiff, close branches and brilliant, rich silvery blue foliage. Perfectly hardy under all conditions. More in demand at the present time than any other conifer. The stock we offer is the "Compacta" type, which is far more regular, compact and dense than the ordinary Colorado Spruce, besides being of the deepest steel-blue. Beware of seedlings offered at low prices; these are not as blue in color nor as symmetrical and regular in shape. Well-shaped trees, especially selected from our large stock. The variation in these prices is due to the great variation in the individual specimens as to color, shape, symmetry and general appearance.

| Height | Each | Height | Each |
|--------|------------------|--------|--------------------|
| 2 ft. | \$15.00 | 7 ft. | \$45.00 to \$50.00 |
| 4 ft. | \$22.50 to 25.00 | 8 ft. | 50.00 to 60.00 |
| 5 ft. | 30.00 to 40.00 | 10 ft. | 60.00 to 75.00 |
| 6 ft. | 40.00 to 45.00 | | |

Pungens Glauca (Colorado Spruce). This excellent native Spruce can be supplied in two colors—slate-blue and green.

Blue. 2 ft., each, \$7.50; 2½ ft., each, \$10.00.

Green. 2 ft., each, \$4.00; 2½ ft., each, \$5.50; 3 ft., each, \$7.00.

PINUS (Pines)

Mugho. (Dwarf Pine). A low-growing handsome evergreen with vividly colored leaves of a twisty nature and cones of a brown, grayish tinge. Extra fine. 24 by 24 in., \$7.00; 30 by 30 in., \$8.50.

Strobos. (White Pine). A very beautiful and graceful pine, regular in form with dark green foliage, growing quite tall, surmounted by a symmetrically-formed crown. 5 to 6 ft., \$5.00 to \$7.00.

TAXUS (Yew)

Cuspidata. Of dwarf spreading growth, light green foliage. Very hardy. 4½ ft., \$9.50; 5 ft., \$12.00; 5½ ft., \$15.00.

Cuspidata Brevifolia. (Dwarf Japanese Yew). A handsome and rare variety of fine, bushy habit; spreading branches with short, deep rich green leaves. Valuable for low foundation planting or hedge subject. 12 to 18 in., each, \$5.50; 10 for \$50.00; 18 to 24 in., each, \$8.00; 10 for \$75.00.

THUYA (Arborvitae)

Occidentalis. (American Arborvitae). A very pretty shapely tree of pyramidal form. The foliage is a fresh vivid green, mellowing to a softer shade on the under side. Each 10

| Height | Each | Height | Each |
|--------|--------|--------|-------------------|
| 2 ft. | \$2.50 | 4 ft. | \$5.50 to \$10.00 |
| 2½ ft. | 3.00 | 5 ft. | 7.50 |
| 3 ft. | 3.50 | 6 ft. | 10.00 |
| 3½ ft. | 4.00 | | |

Occidentalis Globosa. A round compact form, deep green foliage. Very shapely as specimens. 12 by 12 in., each, \$3.50; 10 for \$30.00; 18 by 18, each, \$4.50; 10 for \$40.00; 30 by 30, \$10.00.

Occidentalis Rosenthalii. Hardy compact grower with dense foliage of dark green. 2 to 3 ft., \$3.50 to \$4.50.

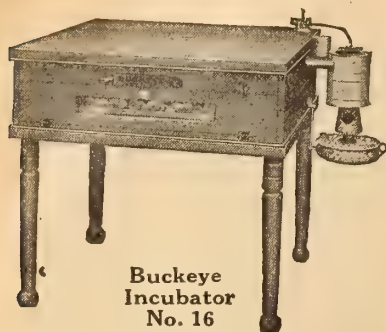
Occidentalis Wareana. The hardest of American Arborvitae, although of somewhat slower growth; it has most beautiful dense and symmetrical form with a rich dark green foliage. 18 in., \$3.00; 24 in., \$4.00; 2½ ft., \$6.00; 3 ft., \$7.00; 3½ ft., \$8.50; 4 ft., \$10.00.

Occidentalis Pyramidalis. (Pyramidal Arborvitae). A compact, narrowly pyramidal tree. Branches short and densely clothed with bright green foliage. Very formal and attractive. 2½ to 3 ft., each, \$3.75; 10 for \$35.00.



We have KOSTER'S BLUE SPRUCE in all sizes from 2 to 10 ft. high.

Vaughan's Poultry Department



**Buckeye
Incubator
No. 16**

Monthly Price List on Feeds, Free
on Application

GLOBE PIGEON FEED

Is without doubt, the best and most popular pigeon feed on the market. It is a no corn, no grit feed, made from Wheat, Buckwheat, Kaffir, Peas, Millet and Hemp. This feed is used by some of the best known pigeon raisers in America.

Price on Monthly Order Blank. Mailed Free.

KING PIGEON FEED SPECIAL

Is made from the very choicest, plumpest Wheat, Buckwheat, Kaffir Corn, Peas, Millet, Hemp and Whole Flint Corn (without grit). It is a very choice feed for those desiring feed with corn.

PAGEL THERMO FOUNTAIN

Is of double wall galvanized iron construction, being packed between the walls with a non-conducting material, keeps the water at the right temperature in zero or hottest weather. 2-gal., \$3.50; 3-gal., \$4.00; 5-gal., \$5.00.



**Peerless Fountain with
Heater**

front by a spring in the center. In front is an arch to keep dust and dirt from entering the water

Price, half-gallon size.....\$0.90
1-gallon size.....1.15
2-gallon size.....1.35

PEERLESS FOUNTAIN AND HEATER

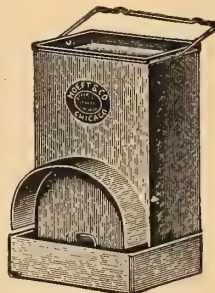
This may be used either with or without the heater attached. With its use there is always at hand a supply of pure water for your flock. Easy to clean. Fowls cannot injure their combs when drinking.

The Combination Peerless Fountain and Heater when in use should be hung to the wall either by back strap or bail, which makes it absolutely safe.

Price, fountain only, 5-quart size.....\$1.00
Price, fountain only, 10-quart size.....1.25
Price, heater for above.....2.00

DROP BOTTOM FOUNTAIN

This fountain is made of heavy galvanized iron which will not rust and is so constructed that it can be placed on the floor or hung on the wall. The bottom is fastened by hinges on the back of the fountain and closed up at the front by a spring in the center. In front is an arch to keep dust and dirt from entering the water



MOES' DRY MASH HOPPER

The curved bottom of the hopper keeps the feed within easy reach of the birds. The gradual enlargement from the top to base prevents clogging. The wire grid and the wires running from the flange through the wire grid prevents any chance of the fowls throwing out or wasting the feed. The sloping cover prevents the birds from roosting on the hopper, and when both covers are closed, it is rat and mouse-proof. A trial will convince you that it is a hopper of the greatest merit. Manufactured of heavy galvanized iron in three sizes.

No. 35, 8 1/2 in. wide. Each.....\$1.50
No. 36, 12 in. wide. Each.....2.00
No. 37, 24 in. wide. Each.....2.80

STEVENS' "EVERGREEN" OAT SPROUTER

ALL METAL, LAMPLESS, INEXPENSIVE

The pans are all galvanized iron and perforated, with the exception of the bottom or drip pan which catches surplus water. Any pan is removable for emptying or refilling without disturbing the others.

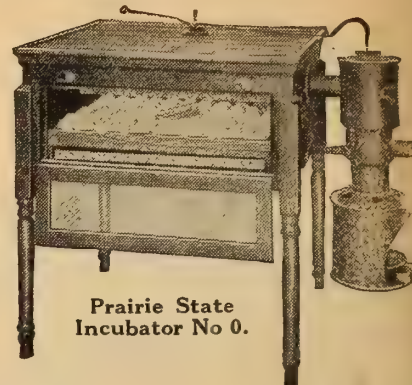
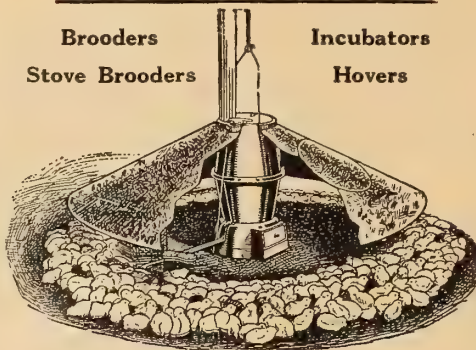
The stand is constructed in such a way that it may be put together or taken apart in two minutes, by simply removing cross rods; this makes it very convenient for shipping or storage when not in use. It is made of band iron with rods running under each pan riveted in, making it very rigid.

Ship. Wt. Price 4 SIZES Ship. Wt. Price
8-Pan, 11x15 in., med. size 18 lbs \$5.00 5-Pan, 11x15 in., small size 13 lbs. \$4.00
8-Pan, 11x33 in., large size 35 lbs 9.00 5-Pan, 11x33 in., med. large 25 lbs. 6.50

BUCKEYE AND PRAIRIE STATE

Brooders
Stove Brooders

Incubators
Hovers



**Prairie State
Incubator No. 0.**

Globe Egg Mash

A high-grade 20 percent protein, ground grain feed. A great egg producer.

Globe Scratch Feed

A mixture of clean, sound sweet grains, to supplement Globe Egg Mash.

Globe Chick Mash

with dried buttermilk insures health and promotes rapid growth of baby chicks.



Ask for "Globe" Feeding Plan.
Monthly order blank and price list mailed
free on request.

Conkey's Feeds and Remedies

Conkey's Lice Powder. It is an effective disinfectant. Price, 15 oz., 25c; 48 oz., 50c.

Conkey's Poultry Tonic. A general invigorator. Price, 25c and 50c.

Conkey's Roup Cure. Price, pkg., 25c and 50c.

Conkey's Scaly Legs. Price, per can, 25c.

Poultry Worm Remedy. Price, can, 25c.

Pratt's Poultry Remedies

Pratt's Roup Cure. Package, 25c and 50c.

Pratt's Roup Pills. Package, 25c and 50c.

Pratt's Scaly Leg Remedy. Package, 25c.

Pratt's Bronchitis Remedy. Package, 25c.

Pratt's Chicken Pox Remedy. Box, 25c and 50c.

Pratt's Cholera Remedy, per box, 25c and 50c.

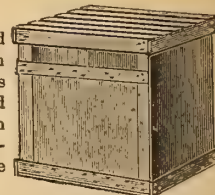
Pratt's Condition Tablets. Package, 25c.

Pratt's Lice Killer, 1 lb can, 25c; 2 1/2 lbs, 50c.

ALL-WOOD SHIPPING COOPS

Considered one of the best on the market. A closed coop made of light lumber having a two-inch opening in front and back under slatted top so as to give fowls plenty of fresh air when shipping them. Birds shipped in this coop are in no danger of smothering, free from heat of steam pipes, drafts on depot platforms, and arrive at destination without having their plumage harmed. Made in the following sizes:

| No. | Length | Width | Height | Each | Per Doz. |
|-----|--------|-------|--------|--------|----------|
| 1 | 12 | 18 | 18 | \$0.60 | \$5.75 |
| 2 | 18 | 18 | 18 | .70 | 7.00 |
| 3 | 12 | 21 | 21 | .70 | 7.00 |
| 4 | 18 | 21 | 21 | .85 | 8.25 |
| 5 | 24 | 21 | 21 | .95 | 9.50 |
| 6 | 30 | 21 | 21 | 1.10 | 10.75 |
| 7 | 12 | 24 | 24 | .70 | 7.25 |



**All-Wood Shipping
Coop**

WRITE FOR COMPLETE
POULTRY
CATALOGUE

EXHIBITION COOPS

Birds do not show their good points in a poorly constructed coop. Manufactured of the best grade of galvanized steel wire electrically welded.

No. 56, all-wire coop, 24x24x27 inches high.....\$2.00

CAGE CUPS FOR EXHIBITION COOPS

Galvanized cups used for feed or water, provided with wire hooks to hang on sides. Each.....15c. Per doz....\$1.50

GRIT AND SHELL BOXES

Grit, shell and charcoal have now become a recognized essential part of the diet insuring healthy fowls. They cannot be more economically supplied than in one of our inexpensive compartment boxes. Can also be used as a feed hopper for little chicks. Made of heavy galvanized iron in two sizes.



No. 90—Four-Compartment, Round Bottom.
No. 9—Three-Compartment, Round Bottom.

No. 9, Grit Boxes. Shipping weight, 3 lbs, each.....\$0.90

No. 90, Grit Boxes. Shipping weight, 4 lbs, each.....1.25

Complete Poultry Catalogue on Incubators and Supplies. Mailed Free. Please ask for

Vaughan's Garden Tools and Requisites

PRICES GIVEN BELOW DO NOT INCLUDE PREPAYING OF CHARGES EXCEPT WHERE NOTED

FERTILIZERS (F. O. B. Chicago)

See Special Price Sheet for New York Prices.

BONE MEAL, Vaughan's "Rose Grower" Brand. Has been slightly steamed so that it can be ground fine, and is thus quicker in its action.
5 lbs., 45c; 10 lbs., 75c; 25 lbs., \$1.40; 50 lbs., \$2.25; 100 lbs., \$3.60.

BONE MEAL, "Regular Grade." 5 lbs., 35c; 10 lbs., 65c; 25 lbs., \$1.25; 50 lbs., \$1.95; 100 lbs., \$3.10.

CATTLE MANURE (Shredded). A natural fertilizer for all general purposes. If applied to the lawn in the fall it protects grass roots through the winter. As easy and clean to handle as grain.
Price: 100 lbs., \$2.20; 500 lbs., \$8.75; 1,000 lbs., \$14.90; 2,000 lbs., \$29.00. (Prepaid to nearest railroad station if within twenty miles of Chicago.)

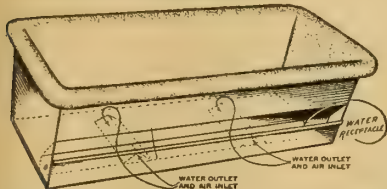
NITRATE OF SODA or Chili Saltpeter. Nitrate of Soda is not a substitute for other Manures, but we recommend it as the cheapest and best form in which to apply Nitrogen to plants. Gardeners who are using farm manure should continue to use it, but use Nitrate of Soda in addition to other fertilizers. If your objects is to grow maximum crops you must furnish the plant with Nitrogen. Cannot go by mail.
Price (subject to market changes), 5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$1.90; 100 lbs., \$5.55. Write for prices on larger quantities.

SHEEP MANURE (Pulverized). Excellent for mixing with soil for greenhouse plants; one part manure and six parts soil. 5 lbs., 30c; 10 lbs., 60c; 25 lbs., \$1.20; 50 lbs., \$1.75; 100 lbs., \$2.85; 500 lbs., \$9.90; 1000 lbs., \$17.80; ton, \$33.20. (25 lbs. and up prepaid to nearest railroad station if within twenty miles of Chicago.)

VAUGHAN'S CONCENTRATED PLANT FOOD. This is the most useful fertilizer for all kinds of plants raised in pots. Small pkg., 20c each. Large pkg., 30c each.

Mailing weight, small, 10 oz.; large 17 oz. Each package contains full directions.

"SUCCESS" SELF-WATERING FLOWER BOXES



The "Success" Window Boxes are substantially constructed of galvanized sheet steel, lock sealed and soldered watertight. A water pocket extends the full length of boxes, from which tubes lead into the box itself. This pocket with the tubes serve the following purposes, i. e.: Provides for watering the roots from below, allowing them to take up moisture as required; provides air circulation and ventilation, keeping the soil sweet and healthy; provides a perfect drainage should the plants be excessively watered by heavy rains or other causes. In fact, it serves as an accurate gauge as to the condition of the soil at all times. The boxes are finished in an attractive shade of green enamel and will prove an addition to any home, hotel or office building. Since they are watertight, they are especially adapted for inside use, serving to beautify the exterior during the summer and adding a touch of brightness during the winter.

Outside dimensions of Window Boxes:

| Length | Width | Depth | Price |
|--------|-----------|-----------|--------|
| 24 in. | 8 1/2 in. | 6 1/4 in. | \$1.85 |
| 30 in. | 8 1/2 in. | 6 1/4 in. | 2.25 |
| 36 in. | 8 1/2 in. | 6 1/4 in. | 3.25 |
| 42 in. | 8 1/2 in. | 6 1/4 in. | 4.00 |

"SUCCESS" PORCH BOXES (Model D)

| 8 in. deep, 11 in. wide. | 8 in. deep, 12 in. wide. |
|--------------------------|--------------------------|
| No. Length Price | No. Length Price |
| 23.....42 in.....\$5.25 | 25.....60 in.....\$7.75 |
| 24.....48 in.....6.25 | |

"SUCCESS" SELF-WATERING HANGING BASKETS

| No. Depth Square Price | No. Depth Square Price |
|--------------------------|---------------------------|
| 10 7 1/2 in. \$2.25 | 14 10 1/4 in. \$3.00 |
| 12 8 1/2 in. 2.50 | |

GLASS CUTTER, DIAMOND. Each, \$5.00.

GLASS CUTTER, RED DEVIL. Each, 20c.

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Burlap. Lined waste wool and cotton quilted. Made of finest material.

Size A—40 in. x 76 in., each, \$2.65; doz., \$29.00.

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Insecticides containing Poison cannot be sent by mail.

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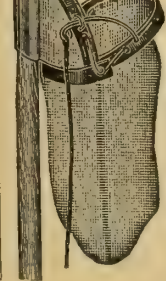
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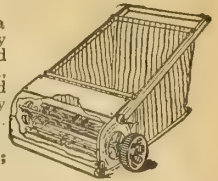
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| 5 10x9 | 1.05 | 4.00 | 13 18x17 | 3.25 | 12.60 |
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| | | | .45 |
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Time of Sending Not all fall bulbs are ready at the same time, but nearly all the Dutch and French importations are in the store by September 15. The following table gives approximate dates of arrival: September 1—Lilium Candidum, Roman Hyacinths, Lilium Harrisii, Freesias, Peonies. September 15—Hyacinths, Daffodils and Narcissi, Tulips and other Dutch bulbs, Callas. October 20—Full supply of Lilies, Chinese Narcissus, Dahlias and Gladiolus. November 10—Lily of the Valley, new crop Tuberoses. Perennial Plants, September 15 until frost; Trees and Shrubs and all nursery stock, October 1st until frost.

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| Fifth Zone within 600 to 1000 miles | | 8c. | 6c. |
| Sixth Zone within 1000 to 1400 miles | | 9c. | 8c. |
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